iPhone
User Guide
For iOS 4 Software

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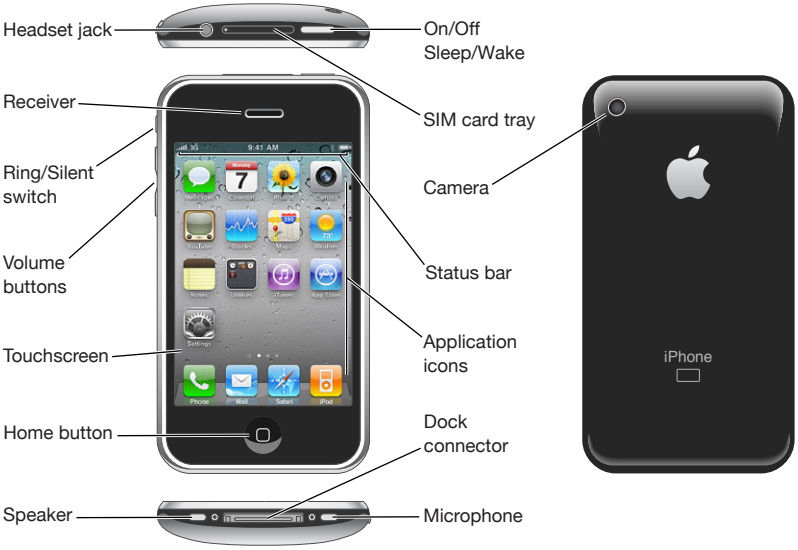
iPhone at a Glance

1

iPhone Overview

iPhone 4

iPhone 3GS



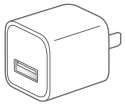
Your Home screen may look different, depending on the model of iPhone you have and whether you have rearranged its icons.

Accessories

The following accessories are included with iPhone:

Apple Earphones
with Remote and Mic

Dock Connector to USB Cable



USB power adapter

SIM eject tool

Note: The SIM eject tool is not included in all countries or regions.

Item	What you can do with it
Apple Earphones with Remote and Mic	Listen to music, videos, and phone calls. Use the built-in microphone to talk. Press the center button to answer or end a call. When listening to iPod, press the button once to play or pause a song, or press twice quickly to skip to the next track. Use the + and – buttons to adjust the volume (iPhone 3GS or later). Press and hold the center button to use Voice Control (iPhone 3GS or later).
Dock Connector to USB Cable	Use the cable to connect iPhone to your computer to sync and charge. The cable can be used with the optional dock or plugged directly into iPhone.
USB power adapter	Connect the power adapter to iPhone using the included cable, then plug it into a standard power outlet to charge iPhone.
SIM eject tool (not included in all countries or regions)	Eject the SIM card tray.

Buttons

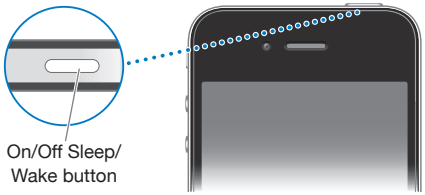
A few simple buttons make it easy to turn iPhone on or off, adjust the volume, and switch between ring and silent modes.

On/Off Sleep/Wake Button

When you're not actively using iPhone, you can lock it to turn off the display and save the battery.

When iPhone is locked, nothing happens if you touch the screen. iPhone can still receive calls, text messages, and other updates. You can also listen to music and adjust the volume, and use the center button on your iPhone earphones (or the equivalent button on a Bluetooth® headset) to play or pause a song, or answer or end a call.

By default, iPhone locks if you don't touch the screen for a minute.



Lock iPhone	Press the On/Off Sleep/Wake button.
Unlock iPhone	Press the Home ▢ button or the On/Off Sleep/Wake button, then drag the slider.
Turn iPhone completely off	Press and hold the On/Off Sleep/Wake button for a few seconds until the red slider appears, then drag the slider. When iPhone is off, incoming calls go straight to voicemail.
Turn iPhone on	Press and hold the On/Off Sleep/Wake button until the Apple logo appears.

For information about changing how long before iPhone locks, see "Auto-Lock" on page 163. For information about setting iPhone to require a passcode to unlock it, see "Passcode Lock" on page 163.

Home Button

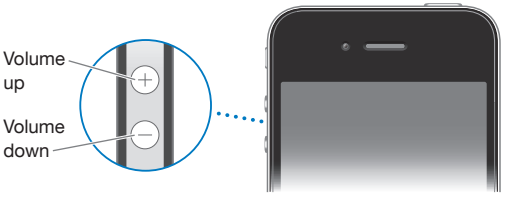
Press the Home ▢ button at any time to go to the Home screen, which contains your iPhone applications. Tap any application icon to get started. To see recent applications you've used, double-click the Home button (iPhone 3GS or later). See "Opening and Switching Applications" on page 28.

Volume Buttons

When you're on the phone or listening to songs, movies, or other media, the buttons on the side of iPhone adjust the audio volume. Otherwise, the buttons control the volume for the ringer, alerts, and other sound effects.

WARNING: For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

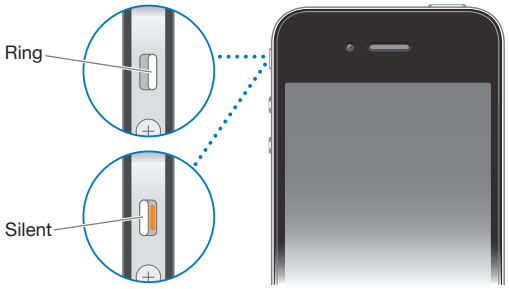
To adjust the volume, use the buttons on the side of iPhone.



To set a volume limit for music and videos on iPhone, see "Music" on page 177.

Ring/Silent Switch

Flip the Ring/Silent switch to put iPhone in ring mode or silent mode.



In ring mode, iPhone plays all sounds. In silent mode, iPhone doesn't ring or play alerts and other sound effects.

Important: Clock alarms, audio-dependent applications such as iPod, and many games still play sounds through the built-in speaker when iPhone is in silent mode.

By default, when you get a call, iPhone vibrates whether it's in ring mode or silent mode. If iPhone is set to ring mode, you can silence a call by pressing the On/Off Sleep/Wake button or one of the volume buttons once. Press a second time to send the call to voicemail.

For information about changing sound and vibrate settings, see "Sounds and the Ring/Silent Switch" on page 159.

iPhone Applications

The following applications are included with iPhone:

Note: Application functionality and availability may vary, depending on the country or region where you purchase and use iPhone.

Phone	Make calls, with quick access to recent callers, favorites, and all your contacts. Dial manually using the numeric keypad. Or just use voice dialing. Visual voicemail presents a list of your voicemail messages—just tap to listen to any message you want, in any order you want. Make FaceTime video calls (iPhone 4 to iPhone 4 over Wi-Fi). See Chapter 5, "Phone," on page 61.
Mail	iPhone works with MobileMe, Microsoft Exchange, and many of the most popular email systems—including Yahoo!, Google, and AOL—as well as most industry-standard POP3 and IMAP email systems. View PDFs and other attachments within Mail. Save attached photos and graphics to your Camera Roll album. See Chapter 6, "Mail," on page 73.
Safari	Browse websites over a cellular data network or over Wi-Fi. Rotate iPhone sideways for widescreen viewing. Double-tap to zoom in or out—Safari automatically fits the webpage column to the iPhone screen for easy reading. Open multiple pages. Sync bookmarks with Safari or Microsoft Internet Explorer on your computer. Add Safari web clips to the Home screen for fast access to favorite websites. Save images from websites to your Photo Library. See Chapter 7, "Safari," on page 82.
iPod	Listen to your songs, audiobooks, and podcasts. Create playlists, or use Genius to create playlists for you. Listen to Genius Mixes of songs from your library. Watch movies and video podcasts in widescreen. See Chapter 8, "iPod," on page 87.
Messages	Send and receive SMS text messages. View a list of your previous conversations, and tap a conversation to see the messages you sent and received. Send photos, video clips (iPhone 3GS or later), contact information, and voice memos to MMS devices. See Chapter 9, "Messages," on page 101.
Calendar	View and search your MobileMe, iCal, Microsoft Entourage, Microsoft Outlook, or Microsoft Exchange calendars. Enter events on iPhone and they sync back to the calendar on your computer. Subscribe to calendars. See the birthdays you've entered in Contacts. Set alerts to remind you of events, appointments, and deadlines. See Chapter 10, "Calendar," on page 106.
Photos	View photos and videos you take with iPhone, save from Mail or MMS messages, or sync from your computer. View videos (iPhone 3GS or later) in portrait or landscape orientation. Zoom in on photos for a closer look. Watch a slideshow. Email photos and videos, send them in MMS messages, or publish them to a MobileMe gallery. Assign images to contacts, and use them as wallpaper. View photos by place, and if you sync with iPhoto 8.0 (part of iLife '09) or later, you can view photos by events and faces. See Chapter 11, "Photos," on page 112.

Camera	Take photos, and record videos (iPhone 3GS or later). View them on iPhone, email them, send them in an MMS message, or upload them to your computer. Tap to focus on a specific object or area. Trim and save video clips. Upload videos directly to YouTube. Take a friend's picture and set iPhone to display it when that person calls you. See Chapter 12, "Camera," on page 119.
YouTube	Play videos from YouTube's online collection. Search for any video, or browse featured, most viewed, most recently updated, and top-rated videos. Set up and log in to your YouTube account—then rate videos, sync your favorites, show subscriptions, and more. Upload your own videos taken with iPhone. See Chapter 13, "YouTube," on page 123.
Stocks	Watch your favorite stocks, updated automatically from the Internet. View company news and current trading information, such as opening or average price, trading volume, or market capitalization. Rotate iPhone to see detailed charts in landscape orientation. Drag your finger along the charts to track price points, or use two fingers to see a range between points. See Chapter 14, "Stocks," on page 128.
Maps	See a street map, satellite view, or hybrid view of locations around the world. Zoom in for a closer look, or check out the Google Street View. Find and track your current (approximate) location. See which way you're facing (iPhone 3GS or later, using its built-in compass). Get detailed driving, public transit, or walking directions and see current highway traffic conditions. Find businesses in the area and call with a single tap. See Chapter 15, "Maps," on page 130.
Weather	Get current weather conditions and a six-day forecast. Add your favorite cities for a quick weather report anytime. See Chapter 16, "Weather," on page 139.
Voice Memos	Record voice memos on iPhone. Play them back on iPhone or sync them with iTunes to listen to voice memos on your computer. Attach voice memos to email or MMS messages. See Chapter 17, "Voice Memos," on page 141.
Notes	Jot notes on the go—reminders, grocery lists, brilliant ideas. Send them in email. Sync notes to Mail on your Mac, or Microsoft Outlook or Outlook Express on your PC. Sync notes over the air with your MobileMe, Google, Yahoo!, or IMAP accounts. See Chapter 18, "Notes," on page 146.
Clock	View the time in cities around the world—create clocks for your favorites. Set one or more alarms. Use the stopwatch, or set a countdown timer. See Chapter 19, "Clock," on page 149.

Calculator	Add, subtract, multiply, and divide. Rotate iPhone sideways to use expanded scientific functions. See Chapter 20, "Calculator," on page 152.
Settings	Set up accounts and adjust all iPhone settings in one convenient place. Set your own volume limit for listening comfort. Set your ringtone, wallpaper, screen brightness, and settings for network, phone, mail, web, music, video, photos, and more. Use Location Services settings to set location privacy options for Maps, Camera, Compass, and applicable third-party apps. Set auto-lock and a passcode for security. Restrict access to explicit iTunes content and certain applications. Reset iPhone. See Chapter 21, "Settings," on page 155.
iTunes	Search the iTunes Store for music, ringtones, audiobooks, TV shows, music videos, and movies. Browse, preview, purchase, and download new releases, top items, and more. Rent movies to view on iPhone. Stream and download podcasts. Read reviews or write your own reviews for your favorite store items. See Chapter 22, "iTunes Store," on page 180.
App Store	Search the App Store for iPhone applications you can purchase or download using your Wi-Fi or cellular data network connection. Read reviews or write your own reviews for your favorite apps. Download and install the application on your Home screen. See Chapter 23, "App Store," on page 188.
Compass	Use the built-in digital compass (iPhone 3GS or later) to determine your heading. Get your current coordinates. Choose between true north and magnetic north. See Chapter 24, "Compass," on page 194.
Contacts	Get contact information synced from MobileMe, Mac OS X Address Book, Yahoo! Address Book, Google Contacts, Windows Address Book (Outlook Express), Microsoft Outlook, or Microsoft Exchange. Search, add, change, or delete contacts, which get synced back to your computer. See Chapter 25, "Contacts," on page 197.
Nike + iPod	Nike + iPod (which appears when you activate it in Settings) turns iPhone into a workout companion. Track your pace, time, and distance from one workout to the next, and choose a song to power through your routine. (iPhone 3GS or later. Requires select Nike shoes and a Nike + iPod Sensor, sold separately.) See Chapter 26, "Nike + iPod," on page 203.

Status Icons

The icons in the status bar at the top of the screen give information about iPhone:

Status icon		What it means
	Cell signal*	Shows whether you're in range of the cellular network and can make and receive calls. The more bars, the stronger the signal. If there's no signal, the bars are replaced with "No service."
	Airplane mode	Shows that airplane mode is on—you cannot use the phone, access the Internet, or use Bluetooth® devices. Non-wireless features are available. See "Airplane Mode" on page 155.
3G	3G	Shows that your carrier's 3G network is available, and iPhone can connect to the Internet over 3G. See "How iPhone Connects to the Internet" on page 22.
E	EDGE	Shows that your carrier's EDGE network is available, and iPhone can connect to the Internet over EDGE. See "How iPhone Connects to the Internet" on page 22.
	GPRS	Shows that your carrier's GPRS network is available, and iPhone can connect to the Internet over GPRS. See "How iPhone Connects to the Internet" on page 22.
	Wi-Fi*	Shows that iPhone is connected to the Internet over a Wi-Fi network. The more bars, the stronger the connection. See "Joining a Wi-Fi Network" on page 22.
	Network activity	Shows over-the-air syncing or other network activity. Some third-party applications may also use it to show an active process.
	Call Forwarding	Shows that Call Forwarding is set up on iPhone. See "Call Forwarding" on page 173.
VPN	VPN	Shows that you're connected to a network using VPN. See "Network" on page 161.
	Lock	Shows that iPhone is locked. See "On/Off Sleep/Wake Button" on page 11.
	TTY	Shows that iPhone is set to work with a TTY machine. See "Using iPhone with a Teletype (TTY) Machine" on page 174.

Status icon		What it means
	Play	Shows that a song, audiobook, or podcast is playing. See "Playing Songs and Other Audio" on page 88.
	Portrait orientation lock	Shows that the iPhone screen is locked in portrait orientation. See "Viewing in Portrait or Landscape Orientation" on page 31.
	Alarm	Shows that an alarm is set. See "Alarms" on page 150.
	Location services	Shows that some application is using location services. See "Location Services" on page 162.
	Bluetooth*	*Blue or white icon:* Bluetooth is on and a device, such as a headset or car kit, is connected. *Gray icon:* Bluetooth is on, but no device is connected. *No icon:* Bluetooth is turned off. See "Bluetooth Devices" on page 48.
	Battery	Shows battery level or charging status. See "Battery" on page 49.

* The use of certain accessories with iPhone may affect wireless performance.

Getting Started

2

⚠ ***WARNING:*** To avoid injury, read all operating instructions in this guide and safety information in the *iPhone Important Product Information Guide* at www.apple.com/support/manuals/iphone before using iPhone.

Viewing the User Guide on iPhone

The *iPhone User Guide,* optimized for viewing on iPhone, is available at help.apple.com/iphone.

View the guide on iPhone: In Safari, tap 🕮, then tap the iPhone User Guide bookmark.

Add an icon for the guide to the Home screen: When viewing the guide, tap +, then tap "Add to Home Screen."

The *iPhone User Guide* is available in many languages.

View the guide in a different language: Tap "Change Language" at the bottom of the screen on the main contents page, then choose the language you want.

What You Need

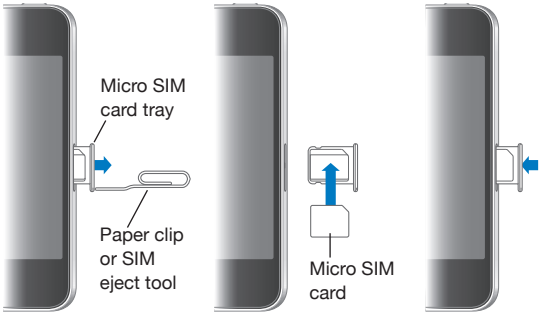
To use iPhone, you need:

- A wireless service plan with a carrier that provides iPhone service in your area
- A Mac or a PC with a USB 2.0 port and one of the following operating systems:
  - Mac OS X v10.5.8 or later
  - Windows 7, Windows Vista, or Windows XP Home or Professional (SP3)
- Screen resolution on your computer set to 1024 x 768 or higher
- iTunes 9.2 or later, available at www.itunes.com/download
- QuickTime 7.6.2 or later (for playing videos recorded by iPhone 3GS or later on your computer)
- An iTunes Store account (for purchases from the iTunes Store or App Store)
- An Internet connection for your computer (broadband recommended)

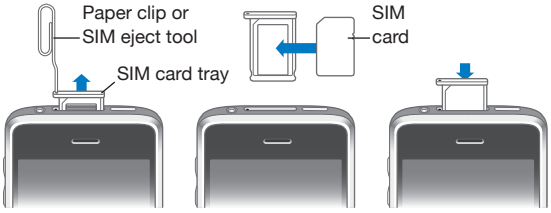
Installing the SIM Card

If your SIM card was not preinstalled, you must install it before you can use iPhone.

Installing the SIM Card in iPhone 4



Installing the SIM Card in iPhone 3GS



Install the SIM card:

1. Insert the end of a paper clip or SIM eject tool into the hole on the SIM card tray.

   Push firmly, straight in until the tray pops out.
2. Pull out the SIM card tray and place the SIM card in the tray as shown.
3. With the tray aligned and the SIM card on top as shown, carefully replace the tray.

Activating iPhone

You must activate iPhone by signing up for a service plan with an iPhone service carrier in your area and registering iPhone with the network.

Your iPhone may have been activated at the time of purchase. If it isn't activated, contact your iPhone retailer or cellular service provider.

For more information about iPhone, go to www.apple.com/iphone.

Setting Up iPhone

Before you can use iPhone, you must set it up in iTunes. During setup, you can create an iTunes Store account or specify an existing account to enable purchases with iPhone. (The iTunes Store may not be available in all countries or regions.) iTunes also records the serial number of your iPhone in case you need it.

Set up iPhone:

1. Download and install the latest version of iTunes from www.itunes.com/download.
2. Connect iPhone to a USB 2.0 port on your Mac or PC using the cable that came with iPhone.

3. Follow the onscreen instructions.

In the Set Up Your iPhone screen, select "Automatically sync contacts, calendars and bookmarks" to configure those items to sync automatically when you connect iPhone to your computer. You can also customize your sync settings in iTunes. See "Syncing with iTunes" on page 54.

Note: If you have a visual impairment, VoiceOver (iPhone 3GS or later) can help you set up iPhone without a sighted assistant. VoiceOver describes aloud what appears on the screen, so you can use iPhone without seeing it. When you connect iPhone to your computer, iTunes detects whether you're using a compatible screen reader on your computer, such as VoiceOver (Mac) or GW Micro Window-Eyes (PC), and automatically enables VoiceOver on iPhone. A sighted user can also enable VoiceOver on iPhone using Accessibility settings. See "VoiceOver" on page 212. VoiceOver may not be available in all languages.

Disconnecting iPhone from Your Computer

You can disconnect iPhone from your computer at any time. However, if you disconnect it while a sync is in progress, some data may not get synced until the next time you connect iPhone to your computer.

When iPhone is syncing with your computer, iPhone shows "Sync in Progress." If you disconnect iPhone before it finishes syncing, some data may not get transferred. When the sync is complete, iTunes shows "iPhone sync is complete."

Cancel a sync: Drag the slider on iPhone.

If you get a call during a sync, the sync is canceled and you can unplug iPhone to answer the call. Connect iPhone after the call to finish syncing.

Connecting to the Internet

iPhone connects to the Internet whenever you use Mail, Safari, YouTube, Stocks, Maps, Weather, the App Store, or the iTunes Store.

How iPhone Connects to the Internet

iPhone connects to the Internet using either a Wi-Fi network or a cellular data network. iPhone does the following, in order, until connected:

- Connects over the last Wi-Fi network you used that's available.
- If no previously used Wi-Fi networks are available, iPhone shows a list of Wi-Fi networks in range. Tap a network and, if necessary, enter the password to join. Networks that require a password show the lock icon next to them. You can prevent iPhone from automatically showing available networks. See "Wi-Fi" on page 157.
- If no Wi-Fi networks are available or you choose not to join any, iPhone connects to the Internet over a cellular data network (3G, E, or ∘). You can prevent iPhone from using cellular data in Settings. See "Network" on page 161.

If no Wi-Fi networks are available and a cellular data network isn't available, iPhone cannot connect to the Internet.

Note: If you don't have a 3G connection, you cannot use the Internet over a cellular data network when you're on a call. You must have a Wi-Fi connection to use Internet applications while also talking on the phone.

Many Wi-Fi networks can be used free of charge including, in some countries or regions, Wi-Fi hotspots provided by your iPhone carrier. Some Wi-Fi networks require a fee. To join a Wi-Fi network at a hotspot where charges apply, you can usually open Safari to see a webpage that allows you to sign up for service.

Joining a Wi-Fi Network

The Wi-Fi settings let you turn on Wi-Fi and join Wi-Fi networks.

Turn on Wi-Fi: Choose Settings > Wi-Fi and turn Wi-Fi on.

Join a Wi-Fi network: Choose Settings > Wi-Fi, wait a moment as iPhone detects networks in range, then select a network (fees may apply to join some Wi-Fi networks). If necessary, enter a password and tap Join (networks that require a password appear with a lock icon).

Once you join a Wi-Fi network manually, iPhone automatically connects to it whenever the network is in range. If more than one previously used network is in range, iPhone joins the one last used.

When iPhone is connected to a Wi-Fi network, the Wi-Fi icon in the status bar at the top of the screen shows the connection strength. The more bars you see, the stronger the connection.

For information about configuring Wi-Fi settings, see "Wi-Fi" on page 157.

Cellular Data Network Access

3G, EDGE, and GPRS allow Internet connectivity over the cellular network available through your iPhone carrier's wireless service. Check the carrier's network coverage in your area for availability.

You can tell iPhone is connected to the Internet via the cellular data network if you see the 3G (3G), EDGE (E), or GPRS icon in the status bar at the top of the screen.

Note: If you don't have a 3G connection, you may not be able to receive calls while iPhone is actively transferring data over a cellular network—downloading a webpage, for example. Incoming calls then go directly to voicemail.

Turn 3G on: In Settings, choose General > Network and tap Enable 3G.

If you're outside your carrier's network, you may be able to access the Internet through another carrier. To enable email, web browsing, and other data services whenever possible, turn Data Roaming on.

Turn Data Roaming on: In Settings, choose General > Network and turn Data Roaming on.

Important: Roaming charges may apply. To avoid data roaming charges, make sure Data Roaming is turned off.

Internet Access on an Airplane

Airplane mode turns off the iPhone cellular, Wi-Fi, Bluetooth, and GPS transmitters and receivers to avoid interfering with aircraft operation. Airplane mode disables many of the iPhone features. In some countries or regions, where allowed by the aircraft operator and applicable laws and regulations, you can turn on Wi-Fi while airplane mode is on, to:

- Send and receive email
- Browse the Internet
- Sync your contacts and calendars over the air
- Stream YouTube videos
- Get stock quotes
- Get map locations

- Get weather reports
- Purchase music and applications

You may also be allowed to turn on Bluetooth to use Bluetooth devices with iPhone.

For more information, see "Airplane Mode" on page 155.

VPN Access

VPN (virtual private network) provides secure access over the Internet to private networks, such as the network at your company or school. Use Network settings to configure and turn on VPN. See "Network" on page 161.

Using iPhone as a Modem

You can use iPhone as a modem to connect, or *tether*, your computer to the Internet. You can connect iPhone to your computer using the Dock Connector to USB Cable, or via Bluetooth.

Note: Tethering may not be available in all countries or regions. Additional fees may apply. Contact your carrier for more information.

Tethering works over the cellular data network. You can't share a Wi-Fi connection to the Internet. If you have a 3G connection, you can make and receive phone calls while tethering.

Set up a tethering connection:

1. In Settings, choose General > Network > Internet Tethering.
2. Slide the Internet Tethering switch to On.
3. Connect iPhone to your computer:
   - *USB:* Connect your computer to iPhone, using the Dock Connector to USB Cable. In your computer's Network services settings, choose iPhone.

     On a Mac, a pop-up window appears the first time you connect, saying "A new network interface has been detected." Click Network Preferences, configure the network settings for iPhone, then click Apply. On a PC, use the Network Control Panel to configure the iPhone connection.
   - *Bluetooth:* On iPhone, choose Settings > General > Bluetooth and turn on Bluetooth. Then refer to the documentation that came with your computer system software to pair and connect iPhone with your computer.

When you're connected, a blue band appears at the top of the screen. Tethering remains on when you connect with USB, even when you aren't actively using the Internet connection.

Monitor your cellular data network usage: In Settings, choose General > Usage.

Adding Mail, Contacts, and Calendar Accounts

iPhone works with MobileMe, Microsoft Exchange, and many of the most popular Internet-based email, contacts, and calendar service providers. If you don't already have an email account, you can get a free account online at www.yahoo.com, www.google.com, or www.aol.com. You can also try MobileMe, free for 60 days, at www.me.com.

You can add contacts using an LDAP or CardDAV account if your company or organization supports it. See "Adding Contacts" on page 197.

You can add a CalDAV calendar account. See "Syncing Calendars" on page 106.

You can subscribe to iCal (.ics) calendars. See "Subscribing to Calendars" on page 111.

Setting Up MobileMe Accounts

To use MobileMe on iPhone, you need to add an account with your MobileMe account settings. When setting up the account, you can choose which MobileMe services you want to use with iPhone:

- Mail
- Contacts
- Calendars
- Bookmarks
- Notes
- Find My iPhone

Services you turn on are synced automatically over the air without having to connect iPhone to your computer. See "Syncing Accounts" on page 53.

The Find My iPhone service (not available in all countries or regions) helps you locate iPhone if it's been lost or stolen, and remotely lock, set a passcode, or erase the information on iPhone if necessary. See "Security Features" on page 51.

You can set up multiple MobileMe accounts; however, only one MobileMe account at a time can be used for Find My iPhone and for syncing contacts, calendars, and bookmarks.

Set up a MobileMe account:

1. In Settings, tap "Mail, Contacts, Calendars."
2. Tap Add Account, then tap MobileMe.
3. Enter your name, complete email address, password, and a description. The description can be whatever you like.
4. Tap the items you want to use on iPhone—mail, contacts, calendars, bookmarks, notes, and Find My iPhone.

Setting Up Microsoft Exchange Accounts

To use Microsoft Exchange on iPhone, you need to add an account with your Microsoft Exchange account settings. See your service provider or system administrator for those settings.

iPhone uses the Exchange ActiveSync protocol to sync email, calendars, and contacts over the air with the following versions of Microsoft Exchange:

- Exchange Server 2003 Service Pack 2
- Exchange Server 2007 Service Pack 1
- Exchange Server 2010

When setting up the account, you can choose which Exchange services you want to use with iPhone:

- Mail
- Contacts
- Calendars

Services you turn on are synced automatically over the air without having to connect iPhone to your computer. See "Syncing Accounts" on page 53.

You can set up multiple Exchange accounts.

Set up an Exchange account:

1. In Settings, tap "Mail, Contacts, Calendars."
2. Tap Add Account, then tap Microsoft Exchange.
3. Enter your complete email address, domain (optional), user name, password, and a description. The description can be whatever you like.

   iPhone supports Microsoft's Autodiscovery service, which uses your user name and password to determine the address of the Exchange server. If the server's address can't be determined, you're asked to enter it. (Enter the complete address in the Server field.) Once you connect to the Exchange server, you may be prompted to change your passcode to match the policies set on the server.
4. Tap the items you want to use on iPhone (mail, contacts, and calendars) and set how many days of email you want to sync to iPhone.

Setting Up Google, Yahoo!, and AOL Accounts

For many popular accounts (Google, Yahoo!, AOL), iPhone enters most of the settings for you. When setting up the account, you can choose which account services you want to use with iPhone. Services you turn on are synced automatically over the air without having to connect iPhone to your computer. See "Syncing Accounts" on page 53.

Set up an account:

1. In Settings, tap "Mail, Contacts, Calendars."
2. Tap Add Account, then tap Google, Yahoo!, or AOL.
3. Enter your name, complete email address, password, and a description. The description can be whatever you like.
4. Tap the items you want to use on iPhone. Available items depend upon the service provider.

Setting Up Other Accounts

Choose Other Accounts to set up other accounts for mail (such as POP), contacts (such as LDAP or CardDAV), or calendars (such as CalDAV). Contact your service provider or system administrator to get the account settings you need.

Set up an account:

1. In Settings, tap "Mail, Contacts, Calendars."
2. Tap Add Account, then tap Other.
3. Choose the account type you want to add (Mail, Contacts, or Calendars).
4. Enter your account information and tap Save.

Basics

3

Using Applications

The high-resolution Multi-Touch screen and simple finger gestures make it easy to use iPhone applications.

Opening and Switching Applications

You open an application on iPhone by tapping its icon on the Home screen.

Return to the Home screen: Press the Home ▢ button below the display.

Switch to another Home screen: Flick left or right, or tap to the left or right of the row of dots.

Go to the first Home screen: Press the Home ▢ button.

On iPhone 3GS or later, you can quickly switch between the applications you're using; multitasking also allows certain applications to run in the background.

View the most recently used applications (iPhone 3GS or later): Double-click the Home button.

The four most recently used application are shown at the bottom of the screen. Flick left to see more applications.

Note: On iPhone 3G, double-clicking the Home button performs the action specified by the Home Button setting. See "Home Button" on page 163.

Remove an icon from the recents list: Touch and hold the application icon until it begins to wiggle, then tap .

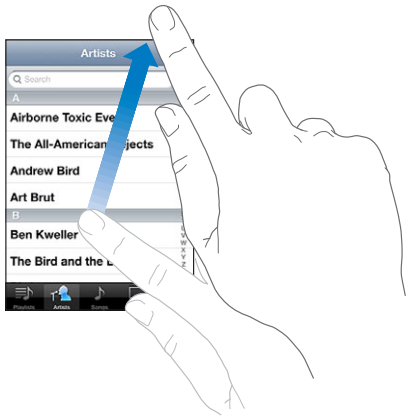
The application is added to recent applications again the next time you open it.

Scrolling

Drag up or down to scroll. On some screens such as webpages, you can also scroll side to side.

Dragging your finger to scroll won't choose or activate anything on the screen.

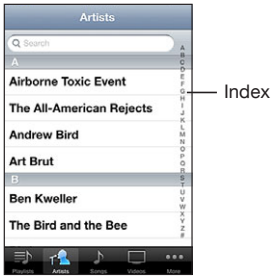
Flick to scroll quickly.



You can wait for the scrolling to come to a stop, or touch anywhere on the screen to stop it immediately. Touching the screen to stop scrolling won't choose or activate anything.

To quickly scroll to the top of a list, webpage, or email, just tap the status bar.

Find items in an indexed list: Tap a letter to jump to items starting with that letter. Drag your finger along the index to scroll quickly through the list.



Choose an item: Tap an item in the list.

Depending on the list, tapping an item can do different things—for example, it may open a new list, play a song, open an email, or show someone's contact information so you can call that person.

Zooming In or Out

When viewing photos, webpages, email, or maps, you can zoom in and out. Pinch your fingers together or apart. For photos and webpages, you can double-tap (tap twice quickly) to zoom in, then double-tap again to zoom out. For maps, double-tap to zoom in and tap once with two fingers to zoom out.

Viewing in Portrait or Landscape Orientation

Many iPhone applications let you view the screen in either portrait or landscape orientation. Rotate iPhone and the display rotates too, adjusting automatically to fit the new screen orientation.

You may prefer landscape orientation for viewing webpages in Safari, or when entering text, for example. In landscape orientation:

- Webpages scale to the wider screen, making the text and images larger.
- The onscreen keyboard is larger, which may help increase your typing speed and accuracy.

The following applications support both portrait and landscape orientation:

- Mail
- Safari
- Messages
- Notes
- Contacts
- Stocks
- iPod
- Photos
- Camera
- Calculator

Movies viewed in iPod and YouTube appear only in landscape orientation. Street views in Maps also appear only in landscape orientation.

Lock the iPhone screen in portrait orientation (iPhone 3GS or later): Double-click the Home button, flick the bottom of the screen from left-to-right, then tap .

The portrait orientation lock icon appears in the status bar when the screen orientation is locked.

Customizing the Home Screen

You can customize the layout of icons on the Home screen—including the Dock icons along the bottom of the screen. If you want, arrange them over multiple Home screens. You can also organize applications by collecting them in folders.

Rearranging Icons

You can arrange the icons on your Home screen in any order you want.

Rearrange icons:

1. Touch and hold any icon on the Home screen icon until it begins to wiggle.
2. Arrange the icons by dragging them.
3. Press the Home button to save your arrangement.

You can also add links to your favorite webpages on the Home screen. See "Web Clips" on page 86.

You can rearrange icons on the Home screen, and the order of the screens, when iPhone is connected to your computer. Select iPhone in the iTunes sidebar, then click the Applications tab.

Move an icon to another screen: While arranging icons, drag an icon to the side of the screen.

Create additional Home screens: While arranging icons, flick to the right-most Home screen and drag an icon to the right edge of the screen until a new screen appears.

You can create up to 11 screens. The number of dots above the Dock shows the number of screens you have, and which screen you're viewing.

Reset your Home screen to the default layout: Choose Settings > General > Reset and tap Reset Home Screen Layout.

Resetting the Home screen removes any folders you've created and applies the default wallpaper to your Home screen.

Organizing with Folders

Folders let you organize icons on your Home screen. You can put up to 12 icons into a folder. iPhone automatically names a folder when you create it, based on the initial icon you use to create the folder, but you can change the name anytime you want. Like individual icons, folders can be rearranged by dragging them around the Home screen. Folders can be moved to a new Home screen or to the Dock.

Create a folder: Touch and hold an icon until the Home screen icons begin to wiggle, then drag the icon onto another icon.

iPhone creates a new folder, including the two icons, and shows the folder's name. You can tap the name field and use the keyboard to enter a different name.

You can also create folders in iTunes.

Create a folder using iTunes: With iPhone connected to your computer, select iPhone in the Devices list in iTunes. Click the Apps tab and in the Home screen near the top of the window drag an application on top of another.

Add an icon to a folder	While arranging icons, drag the icon onto the folder.
Remove an icon from a folder	While arranging icons, tap to open the folder, then drag the icon out of the folder.
Open a folder	Tap the folder. You can then tap an icon to open that application.
Close a folder	Tap outside the folder, or press the Home button.
Delete a folder	Move all icons out of the folder. The folder is deleted automatically when empty.
Rename a folder	While arranging icons, tap to open the folder, then tap the name at the top and use the keyboard to enter a new name. Press the Home button to save your changes.

When you finish organizing your Home screen, press the Home ▢ button to save your changes.

Many applications, such as Phone, Messages, Mail, and the App Store, display a badge on their Home screen icon with a number (to indicate incoming items) or exclamation mark (to indicate a problem). If these applications are contained in a folder, the badge appears on the folder. A numbered badge shows the total number of items you haven't attended to, such as incoming phone calls, email messages, and text messages, and updated apps to download. An alert badge indicates a problem with an application in the folder.

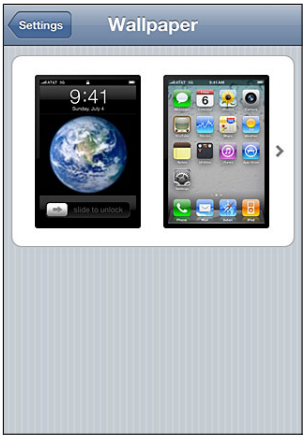
Adding Wallpaper

You can set an image or photo as wallpaper for the Lock screen. On iPhone 3GS or later, you can also set wallpaper for your Home screen. You can choose an image that came with iPhone, a photo from your Camera Roll, or a photo synced to iPhone from your computer.

The Lock screen wallpaper also appears when you're on a call with someone you don't have a contact photo for.

Set wallpaper (iPhone 3GS or later):

1 In Settings, choose Wallpaper, tap the image of the Lock and Home screens, then tap Wallpaper or an album.



2 Tap to choose an image or photo. If you chose a photo, drag to position it and pinch to zoom in or out, until it looks the way you want.

3 Tap Set, then choose whether you want to use the photo as wallpaper for your Lock Screen, Home screen, or both.

Set wallpaper (iPhone 3G):

1. Choose Settings > Wallpaper, then tap Wallpaper or an album.
2. Tap to choose an image or photo. If you choose a photo, drag it to position it and pinch to zoom in or out, until it looks the way you want.
3. Tap Set Wallpaper.

Typing

The onscreen keyboard appears anytime you need to type.

Entering Text

Use the keyboard to enter text, such as contact information, email, text messages, and web addresses. The keyboard corrects misspellings, predicts what you're typing, and learns as you use it.

Depending on the application you're using, the intelligent keyboard may suggest corrections as you type to help prevent mistyped words.

Enter text:

1. Tap a text field, such as in a note or new contact, to bring up the keyboard.
2. Tap keys on the keyboard.

Start by typing with just your index finger. As you get more proficient, you can type more quickly using two thumbs.

As you type, each letter appears above your thumb or finger. If you touch the wrong key, you can slide your finger to the correct key. The letter isn't entered until you release your finger from the key.

Delete the previous character	Tap ⌫.
Type uppercase	Tap the Shift ⇧ key before tapping a letter. Or touch and hold the Shift key, then slide to a letter.
Quickly type a period and space	Double-tap the space bar. (You can turn this feature on or off in Settings > General > Keyboard.)
Turn caps lock on	Double-tap the Shift ⇧ key. The Shift key turns blue, and all letters you type are uppercase. Tap the Shift key again to turn caps lock off. (You can turn this feature on or off in Settings > General > Keyboard.)
Show numbers, punctuation, or symbols	Tap the Number .?123 key. Tap the Symbol #+= key to see additional punctuation and symbols.
Type letters or symbols that aren't on the keyboard	Touch and hold the related letter or symbol, then slide to choose a variation.

Dictionary

For many languages, iPhone has dictionaries to help you type. The appropriate dictionary is activated when you select a supported keyboard.

For a list of supported languages, see www.apple.com/iphone/specs.html.

iPhone uses the active dictionary to suggest corrections or complete the word you're typing. You don't need to interrupt your typing to accept the suggested word.

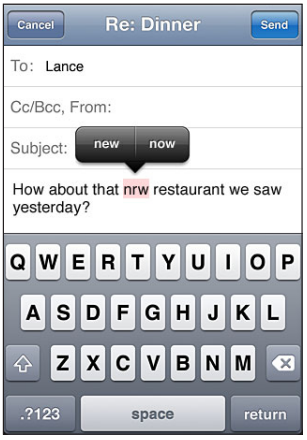
Accept or reject dictionary suggestions:

- *To reject the suggested word,* finish typing the word as you want it, then tap the "x" to dismiss the suggestion before typing anything else. Each time you reject a suggestion for the same word, iPhone becomes more likely to accept your word.

  Note: If you're entering Chinese or Japanese, tap one of the suggested alternatives.
- *To use the suggested word,* type a space, punctuation mark, or return character.

iPhone also underlines words you've already typed that might be misspelled.

Use spell checking to replace a misspelled word: Tap the underlined word, then tap one of the suggested corrections.



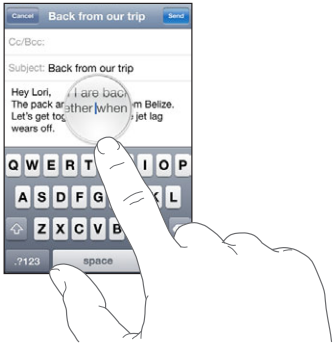
If none of the suggestions is correct, you can manually correct the spelling of the selected word by retyping it. To leave the word unchangd, tap someplace else in the message area.

Turn auto-correction and spell checking on or off: Choose General > Keyboard, then turn Auto-Correction on or off. Auto-Correction is on by default.

Editing—Cut, Copy, and Paste

The touchscreen makes it easy to make changes to text you've entered. An onscreen magnifying glass helps you position the insertion point precisely where you need it. Grab points on selected text let you quickly select more or less text. You can also cut, copy, and paste text and photos within apps, or across multiple apps.

Position the insertion point: Touch and hold to bring up the magnifying glass, then drag to position the insertion point.



Select text: Tap the insertion point to display the selection buttons. Tap Select to select the adjacent word or tap Select All to select all text. You can also double-tap to select a word. In read-only documents, such as webpages, or email or text messages you've received, touch and hold to select a word.

Drag the grab points to select more or less text.

Cut or copy text: Select text, then tap Cut or Copy.

Paste text: Tap the insertion point and tap Paste. The last text that you cut or copied is inserted. Or select text and tap Paste to replace the text.

Undo the last edit: Shake iPhone and tap Undo.

International Keyboards

International keyboards allow you to enter text in many different languages, including languages that are written from right to left. If you want to enter text in other languages, you can use Settings to make additional keyboards available when you type.

For a list of supported keyboards, go to www.apple.com/iphone/specs.html.

Add a keyboard:

1. In Settings, choose General > Keyboard > International Keyboards.

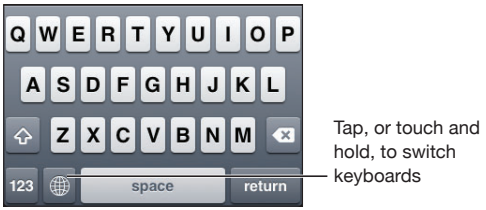
   The number before the arrow indicates the number of keyboards currently enabled.

2. Tap Add New Keyboard, then choose a keyboard from the list.

   Repeat to add more keyboards. Some languages have multiple keyboards available.

Switch keyboards when you're typing: Tap 🌐. When you tap the symbol, the name of the newly activated keyboard appears briefly.

You can also touch and hold 🌐 to display a list of available keyboards. To choose a keyboard from the list, slide your finger to the name of the keyboard, then release.



Edit your keyboard list: Choose General > Keyboard > International Keyboards, then tap Edit and do one of the following:

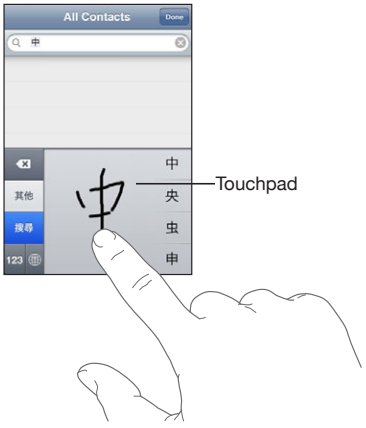
- *To delete a keyboard,* tap ⊖, then tap Delete.
- *To reorder the list,* drag ☰ next to a keyboard to a new place in the list.

Type letters, numbers, or symbols that aren't on the keyboard	Touch and hold the related letter, number, or symbol, then slide to choose a variation. On the Thai keyboards, for example, you can choose native numbers by touching and holding the related Arabic number.
Enter Japanese Kana	Use the Kana keypad to select syllables. For more syllable options, tap the arrow key and select another syllable or word from the window.
Enter Japanese QWERTY	Use the QWERTY keyboard to input code for Japanese syllables. As you type, suggested syllables appear. Tap the syllable to choose it.
Enter Emoji picture characters	Use the Emoji keyboard. Available only on iPhones purchased and used in Japan.
Enter facemarks	Using the Japanese Kana keyboard, tap the "^_^" key. Using the Japanese Romaji keyboard (QWERTY-Japanese layout), tap the Number 123 key, then tap the "^_^" key. Using the Chinese (Simplified or Traditional) Pinyin or (Traditional) Zhuyin keyboards, tap the Symbols #+= key, then tap the "^_^" key.
Enter Korean	Use the 2-Set Korean keyboard to type Hangul letters. To type double consonants or compound vowels, touch and hold the letter, then slide to choose the double letter.

Enter Simplified or Traditional Chinese Pinyin	Use the QWERTY keyboard to enter Pinyin for Chinese characters. As you type, suggested Chinese characters appear. Tap a suggestion to choose it, or continue entering Pinyin to see more options. If you keep entering Pinyin without spaces, sentence suggestions appear.
Enter Chinese Cangjie	Use the keyboard to build Chinese characters from the component Cangjie keys. As you type, suggested Chinese characters appear. Tap a character to choose it, or continue typing up to five total components to see more character options.
Enter Simplified Chinese Stroke (Wubi Hua)	Use the keypad to build Chinese characters using up to five strokes in the correct writing sequence: from left to right, top to bottom, outside to inside, and from inside to the closing stroke (for example, the Chinese character 圈 should begin with the vertical stroke 丨). As you type, suggested Chinese characters appear (the most commonly used characters appear first). Tap a character to choose it. If you don't know the correct stroke, tap the ? key. To see more character options, type another stroke or scroll through the character list. Tap the 匹配 key to show only characters that match exactly what you typed. For example, if you type 一一 and tap 匹配, the less commonly used 二 appears as an exact match.
Enter Traditional Chinese Zhuyin	Use the keyboard to enter Zhuyin letters. As you type, suggested Chinese characters appear. Tap a suggestion to choose it, or continue entering Zhuyin letters to see more options. After you type an initial letter, the keyboard changes to show more letters. If you keep entering Zhuyin without spaces, sentence suggestions appear.

Enter handwritten Simplified or Traditional Chinese	Write Chinese characters directly on the screen with your finger. As you write character strokes, iPhone recognizes them and shows matching characters in a list, with the closest match at the top. When you choose a character, its likely follow-on characters appear in the list as additional choices. You can get some complex characters by writing two or more component characters. For example, enter 魚 (fish), then 鬣 (bristle), to get 鱲 (partial name of Hong Kong International Airport), which appears in the character list with an arrow next to it. Tap the character to replace the characters you entered.
Convert between Simplified and Traditional Chinese	Select the character or characters you want to convert, then tap Replace. See "Editing—Cut, Copy, and Paste" on page 38.
Enter Vietnamese	Touch and hold a character to see the available diacritical marks, then slide to choose the one you want.

When Simplified or Traditional Chinese handwriting formats are turned on, you can enter Chinese characters with your finger, as shown:



Keyboard Layouts

You can use Settings to set the keyboard layouts for software and hardware keyboards. The available layouts depend on the keyboard language.

Select a keyboard layout: In Settings, choose General > Keyboard > International Keyboards, then select a keyboard. For each language, you can make separate selections for both the onscreen software and any external hardware keyboards.

The software keyboard layout determines the layout of the keyboard on your iPhone screen. The hardware keyboard layout determines the layout of an Apple Wireless Keyboard connected to iPhone.

Using an Apple Wireless Keyboard

For ease of typing, you can use an Apple Wireless Keyboard (available separately; iPhone 3GS or later).

The Apple Wireless Keyboard connects with Bluetooth, so you must pair the keyboard with iPhone.

Pair an Apple Wireless Keyboard with iPhone:

1. In Settings, choose General > Bluetooth.
2. If Bluetooth isn't already turned on, tap the Bluetooth switch.
3. Press the power button on the Apple Wireless Keyboard to turn it on.
4. On iPhone, tap the entry for the keyboard under Devices.

Once the keyboard is paired with iPhone, it connects whenever the keyboard is within range (up to 30 feet). You can tell the keyboard is connected if the onscreen keyboard doesn't appear when you tap in a text field.

Switch the language when using a hardware keyboard: Press and hold the Command key, then tap the space bar to display a list of available languages. Tap the space bar again to choose a different language.

Disconnect a wireless keyboard from iPhone: Press and hold the power button on the keyboard until the green light goes off.

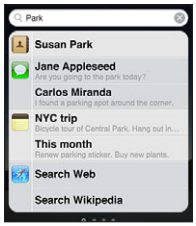
iPhone disconnects the keyboard when it's out of range.

Unpair a wireless keyboard from iPhone: In Settings, choose General > Bluetooth and tap the entry for the keyboard under Devices, then tap "Forget this Device."

You can apply different layouts to a wireless keyboard. See "International Keyboards" on page 39 and "Keyboard Layouts" on page 43.

Searching

You can search many applications on iPhone, including Mail, Calendar, iPod, Notes, Messages, and Contacts. You can search an individual application, or search all applications at once using Search.



Go to Search: On the main Home screen, flick left to right or press the Home ▢ button. From the Search screen, press the Home ▢ button to return to the main Home screen page.

Search iPhone: On the Search screen, enter text in the Search field. Search results appear as you type. Tap an item in the list to open it. Tap Search to dismiss the keyboard and see more results.

Icons next to the search results show which application the results are from.

iPhone may display a top hit for you at the top of the list, based on your previous searches. The Safari search results include options to search the web or to search Wikipedia.

Application	What's searched
Contacts	First, last, and company names
Mail	To, From, and Subject fields of all accounts (the text of messages isn't searched)
Calendar	Event titles, invitees, locations, and notes
iPod	Music (names of songs, artists, and albums) and the titles of podcasts, videos, and audiobooks
Messages	Names and text of messages
Notes	Text of notes

Search also searches the names of the native and installed applications on iPhone, so if you have a lot of applications you may want to use Search as a way to locate and open applications.

Open applications from Search: Enter the application name, then tap to open the application directly from the search results.

Use the Spotlight Search setting to specify which contents are searched and the order the results are presented in. See "Spotlight Search" on page 163.

Voice Control

Voice Control (iPhone 3GS or later) lets you make phone calls and control iPod music playback using voice commands.

Note: Voice Control may not be available in all languages.

Use Voice Control: Press and hold the Home button until the Voice Control screen appears and you hear a beep. You can also press and hold the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset).

Use the following commands to make calls or play songs.

Call someone in contacts	Say "call" or "dial," then say the name of the person. If the person has more than one phone number, you can add "home" or "mobile," for example.
Dial a number	Say "call" or "dial," then say the number.
Control music playback	Say "play" or "play music." To pause, say "pause" or "pause music." You can also say "next song" or "previous song."
Play an album, artist, or playlist	Say "play," then say "album," "artist," or "playlist" and the name.
Shuffle the current playlist	Say "shuffle."
Find out more about the currently playing song	Say "what's playing," "what song is this," "who sings this song," or "who is this song by."
Use Genius to play similar songs	Say "Genius," "play more like this," or "play more songs like this."
Find out the current time	Say "what time is it?" or "what is the time?"
Cancel Voice Control	Say "cancel" or "stop."

For best results:

- Speak into the iPhone microphone as if you were making a phone call. You can also use the microphone on your Bluetooth headset or compatible Bluetooth car kit.
- Speak clearly and naturally.
- Say only iPhone commands and names, and numbers. Pause slightly between commands.
- Use full names.

Voice Control normally expects you to speak voice commands in the language that's set for iPhone (the setting in General > International > Language). Voice Control settings let you change the language for speaking voice commands. Some languages are available in different dialects or accents.

Change the language or country: In Settings, choose General > International > Voice Control and tap the language or country.

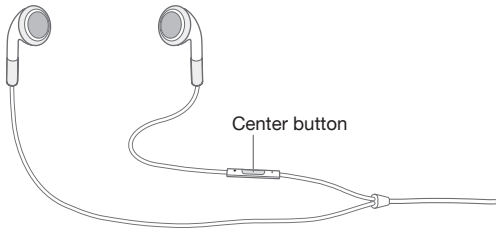
Voice Control for the iPod application is always on, but for better security you can prevent voice dialing when iPhone is locked.

Prevent voice dialing when iPhone is locked: In Settings, choose General > Passcode Lock and turn Voice Dial off. Unlock iPhone to use voice dialing.

See "Voice Dialing" on page 62 and "Using Voice Control with iPod" on page 92.

Apple Earphones with Remote and Mic

The Apple Earphones with Remote and Mic included with iPhone feature a microphone, volume buttons, and an integrated button that allows you to answer and end calls easily, and control audio and video playback.



Plug in the earphones to listen to music or make a phone call. Callers hear you through the built-in microphone. Press the center button to control music playback and answer or end calls, even when iPhone is locked. (You can also use the equivalent button on a Bluetooth headset to control these functions.)

Pause a song or video	Press the center button once. Press again to resume playback.
Skip to the next song	Press the center button twice quickly.
Return to previous song	Press the center button three times quickly.
Fast-forward	Press the center button twice quickly and hold.
Rewind	Press the center button three-times quickly and hold.
Adjust the volume (iPhone 3GS or later)	Press the + or – button.
Answer an incoming call	Press the center button once.
End the current call	Press the center button once.
Decline an incoming call	Press and hold the center button for about two seconds, then let go. Two low beeps confirm you declined the call.
Switch to an incoming or on-hold call and put the current call on hold	Press the center button once. Press again to switch back to the first call.
Switch to an incoming or on-hold call and end the current call	Press and hold the center button for about two seconds, then let go. Two low beeps confirm you ended the first call.
Use Voice Control (iPhone 3GS or later)	Press and hold the center button. See "Voice Control" on page 45.

If you get a call while the earphones are plugged in, you can hear the ringtone through both the iPhone speaker and the earphones.

Bluetooth Devices

You can use iPhone with a hands-free Bluetooth headset or car kit, and the Apple Wireless Keyboard. iPhone also supports using iPod with Bluetooth stereo headphone devices. For supported Bluetooth profiles, go to support.apple.com/kb/HT3647.

Pairing a Bluetooth Device with iPhone

You must first pair a Bluetooth device with iPhone before you can use it.

Pair a Bluetooth device with iPhone:

1. Follow the instructions that came with the device to make it discoverable or to set it to search for other Bluetooth devices.
2. In Settings, choose General > Bluetooth and turn Bluetooth on.
3. Choose the device on iPhone and enter its passkey or PIN number. See the instructions about the passkey or PIN that came with the device.

After you pair a Bluetooth device to work with iPhone, you must make a connection to have iPhone use the device for your calls.

Note: You can pair only one Apple Wireless Keyboard with iPhone at a time. To pair a different keyboard, you must first unpair the current one.

Connect a Bluetooth device with iPhone: See the documentation that came with the headset or car kit.

When iPhone is connected to a Bluetooth device, outgoing calls are routed through the device. Incoming calls are routed through the device if you answer using the device, and through iPhone if you answer using iPhone.

> ***WARNING:*** For important information about avoiding hearing loss and about driving safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Bluetooth Status

The Bluetooth icon appears in the iPhone status bar at the top of the screen:

- *(blue) or (white):* Bluetooth is on and a device is connected to iPhone. (The color depends on the current color of the status bar.)
- *(gray):* Bluetooth is on but no device is connected. If you've paired a device with iPhone, it may be out of range or turned off.
- *No Bluetooth icon:* Bluetooth is turned off.

Unpairing a Bluetooth Device from iPhone

You can unpair a Bluetooth device if you don't want to use it with iPhone any more.

Unpair a Bluetooth device:

1. In Settings, choose General > Bluetooth and turn Bluetooth on.
2. Choose the device and tap Unpair.

Battery

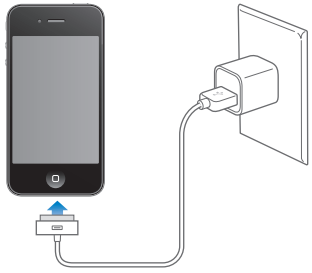
iPhone has an internal rechargeable battery.

Charging the Battery

> *WARNING:* For important safety information about charging iPhone, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

The battery icon in the upper-right corner shows the battery level or charging status. You can also display the percentage of the battery charge (iPhone 3GS or later). See "Usage" on page 160.

Charge the battery: Connect iPhone to a power outlet using the included Dock Connector to USB Cable and USB power adapter.



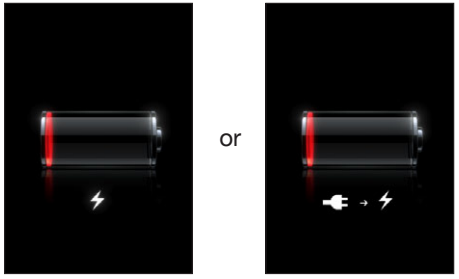
Charge the battery and sync iPhone: Connect iPhone to your computer using the included Dock Connector to USB Cable. Or connect iPhone to your computer using the included cable and the Dock, available separately.

Unless your keyboard has a high-powered USB 2.0 port, you must connect iPhone to a USB 2.0 port on your computer.

Important: The iPhone battery may drain instead of charge if iPhone is connected to a computer that's turned off or is in sleep or standby mode.

If you charge the battery while syncing or using iPhone, it may take longer to charge.

Important: If iPhone is very low on power, it may display one of the following images, indicating that iPhone needs to charge for up to ten minutes before you can use it. If iPhone is extremely low on power, the display may be blank for up to two minutes before one of the low-battery images appears.



Maximizing Battery Life

iPhone uses lithium-ion batteries. To learn more about how to maximize the lifespan and battery life of your iPhone, go to www.apple.com/batteries.

Replacing the Battery

Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. The iPhone battery isn't user replaceable; it can only be replaced by an authorized service provider. For more information, go to www.apple.com/support/iphone/service/battery.

Security Features

Security features help protect the information on iPhone from being accessed by others.

Passcodes and Data Protection

You can set a passcode that you must enter each time you turn on or wake up iPhone.

Set a passcode: Choose Settings > General > Passcode Lock and enter a 4-digit passcode, then enter the passcode again to verify it. iPhone then requires you to enter the passcode to unlock it or to display the passcode lock settings.

Setting a passcode turns on data protection (iPhone 3GS or later). Data protection uses your passcode as the key for encrypting mail messages and their attachments stored on iPhone. (Data protection may also be used by some applications available in the App Store.) A notice at the bottom of the Passcode Lock screen indicates when data protection is enabled.

To increase the security of iPhone, turn off Simple Passcode and use a longer passcode with a combination of numbers, letters, punctuation, and special characters. See "Passcode Lock" on page 163.

Important: On iPhone 3GS, you must also restore iOS software to enable data protection. See "Restoring iPhone" on page 229.

Prevent voice dialing when iPhone is locked: In Settings, choose General > Passcode Lock and turn Voice Dial off. Unlock iPhone to use voice dialing.

Find My iPhone

Find My iPhone (not available in all countries or regions) helps you locate and retrieve your iPhone using a web browser with an Internet connection. Find My iPhone includes:

- **Find:** Locates your iPhone on a full-screen map on your computer
- **Display a Message or Play a Sound:** Lets you compose a message that will appear on your iPhone screen, or play a sound at full volume for two minutes, even if the Ring/Silent switch is set to silent
- **Remote Passcode Lock:** Lets you remotely lock your iPhone and create a 4-digit passcode, if you haven't set one previously
- **Remote Wipe:** Lets you erase all media and data on iPhone, restoring it to factory settings

Note: Find My iPhone requires a MobileMe account, and may not be available in all countries or regions. MobileMe is an online service, available by subscription. For more information, go to www.apple.com/mobileme.

To enable these features, turn on Find My iPhone in your MobileMe account settings. See "Setting Up MobileMe Accounts" on page 25.

Use Find My iPhone: Log in to your MobileMe account at www.me.com and go to the Find My iPhone section. Follow the onscreen instructions to locate your device on a map and use the other Find My iPhone features.

Cleaning iPhone

Clean iPhone immediately if it comes in contact with any contaminants that may cause stains, such as ink, dyes, makeup, dirt, food, oils, and lotions. To clean iPhone, unplug all cables and turn off iPhone (press and hold the On/Off Sleep/Wake button, then slide the onscreen slider). Then use a soft, slightly damp, lint-free cloth. Avoid getting moisture in openings. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia, or abrasives to clean iPhone. The front cover of iPhone 3GS and the front and back covers of iPhone 4 are made of glass and have an oleophobic coating. To clean these surfaces, simply wipe with a soft, lint-free cloth. The ability of this coating to repel oil will diminish over time with normal usage, and rubbing the screen with an abrasive material will further diminish its effect and may scratch the glass.

For more information about handling iPhone, see the *iPhone Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Restarting and Resetting iPhone

If something isn't working right, try restarting iPhone, force quitting an application, or resetting iPhone.

Restart iPhone: Press and hold the On/Off Sleep/Wake button until the red slider appears. Slide your finger across the slider to turn off iPhone. To turn iPhone back on, press and hold the On/Off Sleep/Wake button until the Apple logo appears.

If you can't turn off iPhone or if the problem continues, you may need to reset iPhone. A reset should be done only if turning iPhone off and on doesn't resolve the problem.

Force quit an application: Press and hold the On/Off Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, then press and hold the Home button until the application quits. On iPhone 3GS or later, you can also remove an application from the recents list to force it to quit. See "Opening and Switching Applications" on page 28.

Reset iPhone: Press and hold the On/Off Sleep/Wake button and the Home button at the same time for at least ten seconds, until the Apple logo appears.

For more troubleshooting suggestions, see Appendix A, "Support and Other Information," on page 227.

Syncing and File Sharing

4

About Syncing

Syncing copies information from your computer or online account to iPhone, then keeps the information "in sync" by copying changes made in one location to the other.

You use iTunes on your computer to sync:

- contacts, calendars, browser bookmarks, and notes
- iPhone applications
- ringtones
- music, movies, and other iTunes content
- photos and videos

By default, syncing occurs whenever you connect iPhone to your computer.

You can also configure iPhone to access accounts with online service providers such as MobileMe, Microsoft Exchange, Google, Yahoo!, and others. Your information on those services is synced "over-the-air."

Syncing Accounts

MobileMe, Microsoft Exchange, Google, Yahoo!, and other online service providers sync information—which might include contacts, calendars, browser bookmarks, and notes—via your Internet connection ("over-the-air"), so that you don't have to connect iPhone to your computer. The Internet connection can be over your cellular network or your local Wi-Fi network.

Some service providers—including MobileMe and Microsoft Exchange—"push" information updates. This means that syncing happens whenever any information is changed. The Push setting in Fetch New Data must be turned on. (It's on by default.) For iPhone 3G users, iPhone must also be awake or connected to your computer or a power adapter. Other providers sync by periodically "fetching" changes that have occurred. Use the Fetch setting to determine how frequently this happens. See "Fetch New Data" on page 170.

For information about setting up accounts on iPhone, see "Adding Mail, Contacts, and Calendar Accounts" on page 25.

Syncing with iTunes

You can set iTunes to sync any or all of the following:

- Contacts—names, phone numbers, addresses, email addresses, and more
- Calendars—appointments and events
- Email account settings
- Webpage bookmarks
- Notes
- Ringtones
- Music
- Photos and videos (in your computer's photo application or folder)
- iTunes U collections
- Podcasts
- Books and audiobooks
- Movies, TV shows, and music videos
- Applications downloaded from the iTunes Store

You can adjust sync settings whenever iPhone is connected to your computer.

Ringtones, music, audiobooks, podcasts, books, iTunes U collections, videos, and applications are synced from your iTunes library. If you don't already have content in iTunes, the iTunes Store (may not be available in all countries or regions) makes it easy to preview content and download it to iTunes. You can also add music to your iTunes library from your CDs. To learn about iTunes and the iTunes Store, open iTunes and choose Help > iTunes Help.

Contacts, calendars, notes, and webpage bookmarks are synced with applications on your computer, as described in the following section. Contacts and calendars are synced both ways between your computer and iPhone. New entries or changes you make on iPhone are synced to your computer, and vice versa. Notes and webpage bookmarks are also synced both ways. Photos and videos can be synced from an application or from a folder.

Email account settings are synced only from your computer's email application to iPhone. This allows you to customize your email accounts on iPhone without affecting email account settings on your computer.

Note: You can also set up email accounts directly on iPhone. See "Adding Mail, Contacts, and Calendar Accounts."

Purchases you make on iPhone in the iTunes Store or the App Store are synced back to your iTunes library. You can also purchase or download content and applications from the iTunes Store on your computer, and then sync them to iPhone.

You can set iPhone to sync with only a portion of what's on your computer. For example, you might want to sync only a group of contacts from your address book, or only unwatched video podcasts.

Important: You should be logged in to your own user account on your computer before connecting iPhone.

Set up iTunes syncing:

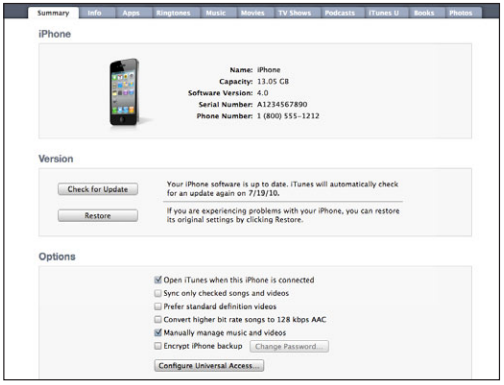
1. Connect iPhone to your computer, and open iTunes.
2. In iTunes, select iPhone in the sidebar.
3. Configure the sync settings in each of the settings panes.

   See the following section for descriptions of the panes.
4. Click Apply in the lower-right corner of the screen.

   By default, "Open iTunes when this iPhone is connected" is selected.

iPhone Settings Panes in iTunes

The following sections provide an overview of each of the iPhone settings panes. For more information, open iTunes and choose Help > iTunes Help.



Summary Pane

Select "Open iTunes when this iPhone is connected" to have iTunes open and sync iPhone automatically whenever you connect it to your computer. Deselect this option if you want to sync only by clicking the Sync button in iTunes. For more information, see "Automatic iTunes Syncing" on page 58.

Select "Sync only checked songs and videos" if you want iTunes to skip unchecked items in your iTunes library when syncing.

Select "Prefer standard definition videos" if you want iTunes to sync standard definition instead of high definition videos (iPhone 4 only).

Select "Convert higher bit rate songs to 128 kbps AAC" if you want iTunes to convert larger audio files to the standard iTunes audio format during syncing.

Select "Manually manage music and videos" to turn off automatic syncing in the Music and Video settings panes. See "Manually Managing Content" on page 59.

Select "Encrypt iPhone backup" if you want to encrypt the information stored on your computer when iTunes makes a backup. Encrypted backups are indicated by a lock icon, and a password is required to restore the information to iPhone. See "Backing Up iPhone" on page 227.

Click Configure Universal Access to turn on Accessibility features (iPhone 3GS or later). See Chapter 28, "Accessibility," on page 211.

Info Pane

The Info pane lets you configure the sync settings for your contacts, calendars, email accounts, and web browser.

- Contacts

  Sync contacts with applications such as Mac OS X Address Book, Yahoo! Address Book, and Google Contacts on a Mac, or with Yahoo! Address Book, Google Contacts, Windows Address Book (Outlook Express), Windows Contacts (Vista and Windows 7), or Microsoft Outlook 2003, 2007, or 2010 on a PC. (On a Mac, you can sync contacts with multiple applications. On a PC, you can sync contacts with one application at a time.)

  If you sync with Yahoo! Address Book, you only need to click Configure to enter your new login information when you change your Yahoo! ID or password after you've set up syncing.

- Calendars

  Sync calendars from applications such as iCal on a Mac, or from Microsoft Outlook 2003, 2007, or 2010 on a PC. (On a Mac, you can sync calendars with multiple applications. On a PC, you can sync calendars with only one application at a time.)

- Mail Accounts

  Sync email account settings from Mail on a Mac, and from Microsoft Outlook 2003, 2007, or 2010 or Outlook Express on a PC. Account settings are transferred only from your computer to iPhone. Changes you make to an email account on iPhone don't affect the account on your computer.

  Note: The password for your Yahoo! email account isn't saved on your computer, so it can't be synced and must be entered on iPhone. In Settings, choose "Mail, Contacts, Calendars," tap your Yahoo! account, and enter the password.

- Web Browser

  You can sync bookmarks on iPhone with Safari on a Mac, or with Safari or Microsoft Internet Explorer on a PC.

- Notes

  Sync notes in the Notes application on iPhone with notes in Mail on a Mac or with Microsoft Outlook 2003, 2007, or 2010 on a PC.

- Advanced

  These options let you replace the information on iPhone with the information on your computer during the next sync.

Apps Pane
Use the Apps Pane to sync App Store applications, arrange applications on the iPhone Home screen, or copy documents between iPhone and your computer.

Select "Automatically sync new apps" to sync new applications to iPhone that you downloaded or synced from another device. If you delete an application on iPhone, you can reinstall it from the Apps pane as long as it was previously synced.

You can create documents on iPhone with applications that support file sharing, and then copy those documents to your computer. You can also copy documents from your computer to iPhone, and use them with applications that support file sharing. See "File Sharing" on page 60.

Ringtones Pane
Use the Ringtones pane to select the ringtones you want to sync to iPhone.

Music, Movies, TV Shows, Podcasts, iTunes U, and Books Panes
Use these panes to specify the media you want to sync. You can sync all music, movies, TV shows, podcasts, iTunes U collections, books and audiobooks, or select the content you want on iPhone.

If you create a playlist folder (collection of playlists) in iTunes, the folder and its playlists will transfer to iPhone. You can't create playlist folders directly on iPhone.

If you listen to part of a podcast or audiobook, your place in the story is included if you sync the content with iTunes. If you started listening to the story on iPhone, you can pick up where you left off using iTunes on your computer—or vice versa.

If you want to watch a rented movie from your computer on iPhone, transfer it to iPhone using the Movies pane in iTunes.

Only songs and videos encoded in formats that iPhone supports are transferred to iPhone. For information about which formats iPhone supports, go to www.apple.com/iphone/specs.

Important: If you delete an item from iTunes, it will also be deleted from iPhone the next time you sync.

Photos Pane

On a Mac, you can sync photos with Aperture or iPhoto 4.0.3 or later, and videos with iPhoto 5 or later. On a PC, you can sync photos with Adobe Photoshop Elements 3.0 or later. You can also sync photos and videos from any folder on your Mac or PC that contains images.

Automatic iTunes Syncing

By default, iPhone syncs whenever you connect it to iTunes. You can prevent iPhone from syncing when you connect iPhone to a computer other than the one you usually sync with.

Turn off automatic syncing for iPhone: Connect iPhone to your computer. In iTunes, select iPhone in the sidebar, then click the Summary tab. Deselect "Open iTunes when this iPhone is connected." You can still sync by clicking the Sync button.

Prevent automatic syncing for all iPhones and iPods: In iTunes choose iTunes > Preferences (on a Mac) or Edit > Preferences (on a PC), click Devices, and select "Prevent iPods and iPhones from syncing automatically."

If this checkbox is selected, iPhone won't sync, even if "Open iTunes when this iPhone is connected" is selected in the Summary pane.

Prevent automatic syncing one time, without changing settings: Open iTunes, connect iPhone to your computer, then press and hold Command-Option (on a Mac) or Shift-Control (on a PC) until you see iPhone appear in the sidebar.

Sync manually: In iTunes, select iPhone in the sidebar, then click Sync in the bottom-right corner of the window. Or, if you've changed any sync settings, click Apply.

Manually Managing Content

The manually managing feature lets you choose just the music, videos, and podcasts you want to have on iPhone.

Set up iPhone for manually managing content:

1. Connect iPhone to your computer.
2. In iTunes, select iPhone in the sidebar.
3. Click the Summary tab and select "Manually manage music and videos."
4. Click Apply.

Add items to iPhone: Drag a song, video, podcast, or playlist in your iTunes library to iPhone (in the sidebar). Shift-click or Command-click (Mac) or Control-click (Windows) to select multiple items to add at the same time.

iTunes syncs the content immediately. If you deselect "Manually manage music and videos," the content you added manually is removed from iPhone the next time iTunes syncs content.

Remove items from iPhone: With iPhone connected to your computer, select iPhone in the iTunes sidebar, and click its disclosure triangle to show contents. Select a content area, such as Music or Movies, then select the items you want to delete and press the Delete key on the keyboard.

Removing an item from iPhone doesn't delete it from your iTunes library.

Note: Genius does not work if you manually manage content. See "Using Genius on iPhone" on page 94.

Transferring Purchased Content to Another Computer

You can transfer content on iPhone that was purchased using iTunes on one computer to an iTunes library on another authorized computer. The computer must be authorized to play content from your iTunes Store account. To authorize the computer, open iTunes on the computer and choose Store > Authorize Computer.

Transfer purchased content: Connect iPhone to the other computer. In iTunes, choose File > Transfer Purchases from iPhone.

File Sharing

File Sharing lets you transfer files between iPhone and your computer. You can share files created with a compatible application and saved in a supported format.

Applications that support file sharing appear in the File Sharing Apps list in iTunes. For each application, the Files list shows the documents that are on iPhone. See the application's documentation for how it shares files; not all applications support this feature.

Transfer a file from iPhone to your computer:

1. Connect iPhone to your computer.
2. In iTunes, select your iPhone under Devices, then click the Apps tab.
3. In the File Sharing section, select an application from the list on the left.
4. On the right, select the file you want to transfer, then click "Save to" and choose a destination on your computer.

Transfer a file from your computer to iPhone:

1. Connect iPhone to your computer.
2. In iTunes, select your iPhone under Devices, then click the Apps tab.
3. In the File Sharing section, click Add.
4. Select a file, then click Choose (Mac) or OK (PC).

   The file is transferred to your device and can be opened using an application that supports that file type. To transfer more than one file, select each additional file.

Delete a file from iPhone: Select the file in the Files list, then tap Delete.

Phone

5

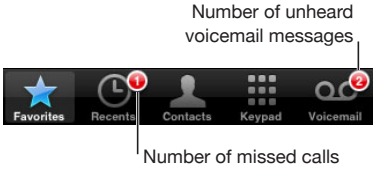
Phone Calls

Making a call on iPhone is as simple as tapping a name and number in your contacts, tapping one of your favorites, or tapping a recent call to return it.

Making Calls

Buttons at the bottom of the Phone screen give you quick access to your favorites, recent calls, your contacts, and a numeric keypad for dialing manually.

> *WARNING:* For important information about driving safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.



Use Contacts to call someone	Tap Contacts, choose a contact, then tap a phone number.
Call a favorite	Tap Favorites, then choose a contact.
Return a recent call	Tap Recents, then tap a name or number in the list. If the call was a FaceTime video call (indicated by FaceTime), tap the item to make a new video call.
Dial a number	Tap Keypad, enter the number, then tap Call.

If you copy a phone number to the clipboard, you can paste it to the numeric keypad and dial it.

Paste a number to the keypad: Tap the screen above the keyboard, then tap Paste. If the phone number you copied included letters, iPhone converts them to the appropriate digits.

Redial the last number you dialed: Tap Keypad, then tap Call. Tap Call again to dial the number.

Voice Dialing

You can use Voice Control (iPhone 3GS or later) to call someone in your contacts or dial a specific number.

Note: Voice Control may not be available in all languages.

Use Voice Control to make a phone call: Press and hold the Home ▢ button until the Voice Control screen appears and you hear a beep. Then use the commands described below to make a call.

You can also press and hold the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset) to use Voice Control.

Call someone in contacts	Say "call" or "dial" then say the name of the person. If the person has more than one number, specify which one you want to call. Examples: • Call John Appleseed • Call John Appleseed at home • Call John Appleseed, mobile
Dial a number	Say "call" or "dial," then say the number.

For best results, speak the full name of the person you're calling. If you speak only the first name and you have more than one contact with that name, iPhone asks which of those contacts you want to call. If there's more than one number for the person you're calling, say which number to use. Otherwise, iPhone asks you.

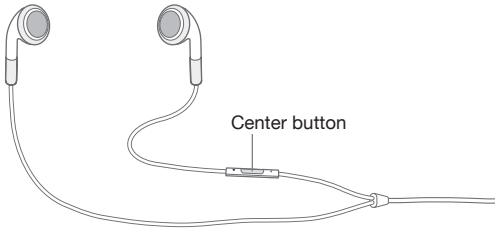
When voice dialing a number, speak each digit separately—for example, say "four one five, five five five, one two one two."

Note: For the "800" area code in the U.S., you can say "eight hundred."

Prevent voice dialing when iPhone is locked: In Settings, choose General > Passcode Lock and turn Voice Dial off. Unlock iPhone to use voice dialing.

Receiving Calls

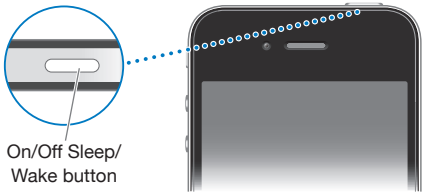
When you receive a call, tap Answer. If iPhone is locked, drag the slider. You can also press the center button on your iPhone earphones or the equivalent button on your Bluetooth headset to answer a call.



Silence a call: Press the On/Off Sleep/Wake button or either volume button. You can still answer the call after silencing it, until it goes to voicemail.

Decline a call: Do one of the following to send a call directly to voicemail.

- Press the On/Off Sleep/Wake button twice quickly.



- Press and hold the center button on the iPhone earphones (or the equivalent button on your Bluetooth headset) for about two seconds. Two low beeps confirm that the call was declined.
- Tap Decline (if iPhone is awake when a call comes in).

Block calls and maintain Wi-Fi access to the Internet: In Settings, turn on Airplane Mode, then tap Wi-Fi to turn it on.

While On a Call

When you're on a call, the screen shows call options.

The call options may vary, depending on which iPhone you're using.

Mute your line	Tap Mute. You can still hear the caller, but the caller can't hear you.
Use the numeric keypad to enter information	Tap Keypad.
Use the speakerphone or a Bluetooth device	Tap Speaker. The Button is labeled Audio Source when a Bluetooth device is available, which lets you select the Bluetooth device, iPhone, or Speaker Phone.
See contact information	Tap Contacts.
Put a call on hold	*iPhone 4:* Touch and hold Mute. *iPhone 3G or iPhone 3GS:* Tap Hold. Neither party can hear the other. When a call is on hold, tap Hold again to return to the call.
Make another call	Tap Add Call.

You can use other applications during a call, checking your schedule in Calendar for example.

Use another application during a call: Press the Home ▢ button, then tap an application icon. To return to the call in Phone, tap the green bar at the top of the screen.

End a call: Tap End Call. Or press the center button on your iPhone earphones (or the equivalent button on your Bluetooth headset).

Second Calls

During a call, you can make or receive another call. If you receive a second call, iPhone beeps and shows the caller's information and a list of options.

Note: Making and receiving a second call may be an optional service in some countries or regions. Contact your carrier for more information.

Respond to a second incoming call:

- *To ignore the call and send it to voicemail,* tap Ignore.
- *To hold the first call and answer the new one,* tap Hold Call + Answer.
- *To end the first call and answer the new one,* tap End Call + Answer.

If you're on a FaceTime video call, you can either end the video call and answer the incoming call, or decline the incoming call.

Make a second call: Tap Add Call. The first call is put on hold.

Switch between calls: Tap Swap. The active call is put on hold.

Create a conference call: Tap Merge Calls. See "Conference Calls" below.

Conference Calls

You can talk to more than one person at a time, and merge up to five calls, depending on your carrier.

Note: Conference calling may be an optional service in some countries or regions. Contact your carrier for information.

Create a conference call:

1. Make a call.
2. Tap Add Call and make another call. The first call is put on hold.
3. Tap Merge Calls. The calls are merged on one line and everyone can hear each other.
4. Repeat steps two and three to add up to five calls.

Drop one call	Tap Conference and tap next to a call. Then tap End Call.
Talk privately with a call	Tap Conference, then tap Private next to a call. Tap Merge Calls to resume the conference.
Add an incoming call	Tap Hold Call + Answer, then tap Merge Calls.

If your service includes conference calling, iPhone always has a second line available in addition to the conference call.

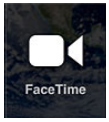
Note: You can't make a FaceTime video call when you're on a conference call.

FaceTime

FaceTime video calls let you see as well as hear the person you're talking to. Both the caller and recipient must have an iPhone 4 and a Wi-Fi connection. No setup is required to enable FaceTime. By default, FaceTime uses the front camera so the person you're calling can see your face. Switch to the main camera to show the recipient what you're seeing.

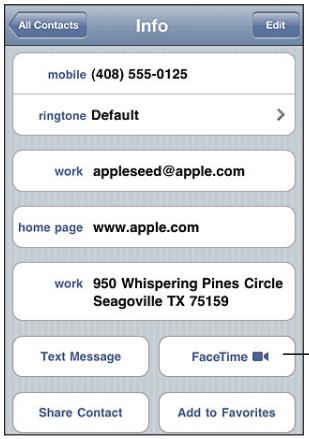
Note: FaceTime may not be available in all countries or regions.

Make a FaceTime video call: Make a phone call, then tap FaceTime.



The person you're calling must accept the video call by tapping Accept.

If you had a previous FaceTime video call with someone, you can make another video call with that person by tapping the entry for that call in Recents. Previous FaceTime video calls are indicated by FaceTime. You can also make a FaceTime video call from Contacts.



When the voice call is established, you see the image from the other person's iPhone. A picture-in-picture window shows the image from your iPhone—what the other person sees on his or her screen. You can drag the window to any corner. You can use FaceTime in portrait or landscape orientation.

Video calls use the top microphone on iPhone.

If you move away from your Wi-Fi network, or it otherwise becomes unavailable, you'll get an option to redial the number for voice call.

Note: When you make a FaceTime video call, your phone number is displayed on the other person's phone even if your phone number is blocked.

Mute a FaceTime video call	Tap at the bottom of the screen. You can still hear and see the caller. The caller can see, but not hear you.
Switch between the front and main cameras	Tap at the bottom of the screen.
Use another application during a FaceTime video call	Press the Home button, then tap an application icon. You can still talk, but won't see each other. To return to the video call in iPhone, tap the green bar at the top of the screen.
End a FaceTime video call	Tap **End** at the bottom of the screen.

To block FaceTime video calls, you can turn off FaceTime in Settings.

Turn FaceTime on or off: In Settings, choose Phone and tap the FaceTime switch. FaceTime is on by default.

You can also disable FaceTime in Restrictions. See "Restrictions" on page 164.

Using a Bluetooth Device for Calls

You can make and receive calls using a Bluetooth device paired with iPhone. See "Pairing a Bluetooth Device with iPhone" on page 48.

For information about using a Bluetooth device to make and receive calls, see the documentation that came with the device.

Listen to calls through iPhone when a Bluetooth device is connected: Do one of the following:

- Answer a call by tapping the iPhone screen.
- During a call, tap Audio on iPhone. Choose iPhone to hear calls through iPhone or Speaker Phone to use the speakerphone.
- Turn off Bluetooth. In Settings, choose General > Bluetooth and drag the switch to Off.
- Turn off the Bluetooth device, or move out of range. You must be within about 30 feet of a Bluetooth device for it to be connected to iPhone.

Emergency Calls

If iPhone is locked with a passcode, you may still be able to make an emergency call.

Make an emergency call when iPhone is locked: On the Enter Passcode screen, tap Emergency Call, then dial the number using the numeric keypad.

Important: Only emergency numbers valid in the country or region where you're making the call will work. In some countries or regions, you can't make emergency calls unless your SIM card is installed and activated, and the SIM PIN has been correctly entered or turned off.

In the U.S., location information (if available) is provided to emergency service providers when you dial 911.

Important: You should not rely on wireless devices for essential communications, such as medical emergencies. Use of any cellular phone to call emergency services may not work in all locations. Emergency numbers and services vary by country or region, and sometimes an emergency call cannot be placed due to network availability or environmental interference. Some cellular networks may not accept an emergency call from iPhone if it doesn't have a SIM card, if you locked your SIM card, or if you haven't activated your iPhone. If you're on a FaceTime video call, you must end that call before you can call an emergency number.

Visual Voicemail

On iPhone, visual voicemail lets you see a list of your messages and choose which ones to listen to or delete, without having to listen to instructions or prior messages.

Note: Visual voicemail may not be available in all countries or regions, or may be an optional service. Contact your carrier for more information. If visual voicemail isn't available, tap Voicemail and follow the voice prompts to retrieve your messages.

Number of missed calls and unheard voicemail messages appears on the Home screen Phone icon.

Setting Up Voicemail

The first time you tap Voicemail, iPhone prompts you to create a voicemail password and record your voicemail greeting.

Change your greeting:

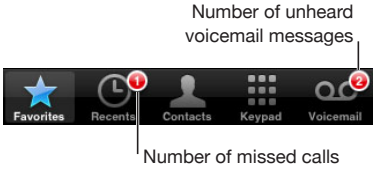
1. Tap Voicemail, tap Greeting, then tap Custom.
2. Tap Record when you're ready to start.
3. When you finish, tap Stop. To review, tap Play.

   To rerecord, repeat steps 2 and 3.
4. Tap Save.

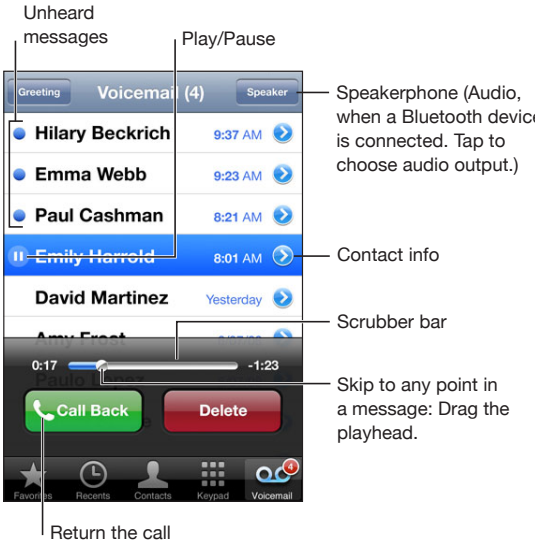
Use your carrier's default greeting	Tap Voicemail, tap Greeting, then tap Default.
Set an alert sound for new voicemail	In Settings, choose Sounds and turn New Voicemail on. The alert sounds once for each new voicemail. If the Ring/Silent switch is off, iPhone won't sound alerts.
Change the voicemail password	In Settings, choose Phone > Change Voicemail Password.

Checking Voicemail

When you tap Phone, iPhone shows the number of missed calls and unheard voicemail messages.



Tap Voicemail to see a list of your messages.



Listen to a message: Tap the message. (If you've already heard the message, tap the message again to replay it.) Use ❚❚ and ▶ to pause and resume playback.

Once you listen to a message, it's saved until your carrier erases it.

Check voicemail from another phone: Dial your own number or your carrier's remote access number.

Deleting Messages

Select a message, then tap Delete.

Listen to a deleted message	Tap Deleted Messages (at the end of the list), then tap the message.
Undelete a message	Tap Deleted Messages (at the end of the list), then tap the message and tap Undelete.
Delete messages permanently	Tap Deleted Messages (at the end of the list), then tap Clear All.

Note: In some countries or regions, deleted visual voicemail messages may be permanently erased by your carrier.

Getting Contact Information

Visual voicemail saves the date and time of the call, the length of the message, and any available contact information.

See a caller's contact information: Tap ⓘ next to a message.

You can use the information to email or text the caller, or update contact info.

Contacts

From a contact's Info screen, a quick tap lets you make a phone call, create a new email message, find the location of their address, and more. See "Searching Contacts" on page 198.

Favorites

Favorites gives you quick access to your most-used phone numbers.

Add a contact's number to your favorites list: Tap Contacts and choose a contact. Then tap "Add to Favorites" and choose the number you want to add.

Add a recent caller's number to your favorites list: Tap Recents and tap next to a caller, then tap "Add to Favorites."

Call a contact from your favorites	Tap Favorites and choose a contact.
Delete a contact from your favorites	Tap Favorites and tap Edit. Then tap next to a contact or number and tap Remove.
Reorder your favorites list	Tap Favorites and tap Edit. Then drag next to a contact to a new place in the list.

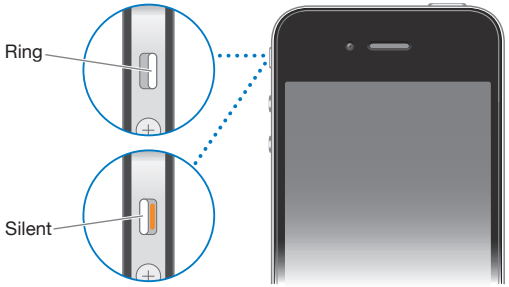
Ringtones and the Ring/Silent Switch

iPhone comes with ringtones you can use for incoming calls, Clock alarms, and the Clock timer. You can also create and purchase ringtones from songs in iTunes.

Ring/Silent Switch and Vibrate Modes

A switch on the side of iPhone makes it easy to turn the ringer on or off.

Turn the ringer on or off: Flip the switch on the side of iPhone.



Important: Clock alarms still sound even if you set the Ring/Silent switch to silent.

Set iPhone to vibrate: In Settings, choose Sounds. Separate controls let you set vibrate for both ring mode and silent mode.

For more information, see "Sounds and the Ring/Silent Switch" on page 159.

Setting Ringtones

You can set the default ringtone for calls and Clock alarms and timers. You can also assign individual ringtones to contacts so you know who's calling.

Set the default ringtone: In Settings, choose Sounds > Ringtone, then choose a ringtone.

Assign a ringtone to a contact: From Phone, tap Contacts and choose a contact. Tap Edit, then tap Ringtone and choose a ringtone.

Purchasing Ringtones

You can purchase ringtones from the iTunes Store on your iPhone. See "Purchasing Ringtones" on page 182.

International Calls

Making International Calls from Your Home Area

For information about making international calls from your home area, including rates and other charges that may apply, contact your carrier or go to your carrier's website.

Using iPhone Abroad

You can use iPhone to make calls in many countries around the world. iPhone 3GS and iPhone 4 are multi-band phones, ensuring broad international coverage.

Enable international roaming: Contact your carrier for information about availability and fees.

Set iPhone to add the correct prefix when dialing from another country: In Settings, tap Phone, then turn International Assist on. This lets you make calls to your home country using the numbers in your contacts and favorites, without having to add a prefix or your country code. International Assist works for U.S. telephone numbers only.

When you make a call using International Assist, "International Assist" appears on the iPhone screen, alternating with the "calling …" message, until your call is connected.

Note: International Assist may not be available in all areas.

Set the carrier to use: In Settings, tap Carrier, then select the carrier you prefer. This option is available only when you're traveling outside your carrier's network. You can make calls only on carriers that have roaming agreements with your iPhone service provider. For more information, see "Carrier" on page 158.

Important: Voice and data roaming charges may apply. To avoid data roaming charges, turn Data Roaming off.

Turn Data Roaming on or off: In Settings, choose General > Network, then tap to turn Data Roaming on or off. Data Roaming is turned off by default.

Turning Data Roaming off helps to avoid data roaming charges when traveling outside your carrier's network by disabling data transmission over the cellular network. You can still access the Internet if you have a Wi-Fi connection. If Wi-Fi network access isn't available, however, you cannot:

- Make or receive FaceTime video calls
- Send or receive email
- Browse the Internet
- Sync your contacts, calendars, or bookmarks with MobileMe or Exchange
- Stream YouTube videos
- Get stock quotes
- Get map locations
- Get weather reports
- Purchase music or applications

Other third-party applications that use data roaming may also be disabled.

If Data Roaming is turned off, you can still make and receive phone calls, and send and receive text messages. Voice roaming charges may apply. Visual voicemail is delivered if there's no charge; if your carrier charges for delivery of visual voicemail when roaming, turning Data Roaming off prevents the delivery of visual voicemail.

To enable email, web browsing, and other data services, turn Data Roaming on.

Important: If Data Roaming is turned on, you may incur charges when roaming outside your carrier's network for the use of any of the features listed above, as well as for delivery of visual voicemail. Check with your carrier for information about roaming charges.

You can also turn off cellular data to prevent any cellular data usage.

Turn off Cellular Data: In Settings, choose General > Network, then tap the Cellular Data switch to turn it off.

Get voicemail when visual voicemail isn't available: Dial your own number, or touch and hold "1" on the numeric keypad.

You can use Airplane Mode to turn off cellular services and then turn Wi-Fi on to get access to the Internet, while preventing voice roaming charges.

Use airplane mode to turn off cellular services: In Settings, tap Airplane Mode to turn it on, then tap Wi-Fi and turn Wi-Fi on. See "Airplane Mode" on page 155.

Incoming phone calls are sent to voicemail. To make and receive calls again and get your voicemail messages, turn airplane mode off.

Mail

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Mail works with MobileMe, Microsoft Exchange, and many of the most popular email systems—including Yahoo!, Google, and AOL—as well as other industry-standard POP3 and IMAP email systems. You can send and receive embedded photos, videos, and graphics, and view PDFs and other attachments.

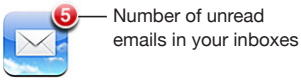
Setting Up Email Accounts

You can set up email accounts on iPhone in either of the following ways:

- Set up an account directly on iPhone. See "Adding Mail, Contacts, and Calendar Accounts" on page 25.
- In iTunes, use the iPhone settings panes to sync email accounts settings from your computer. See "iPhone Settings Panes in iTunes" on page 55.

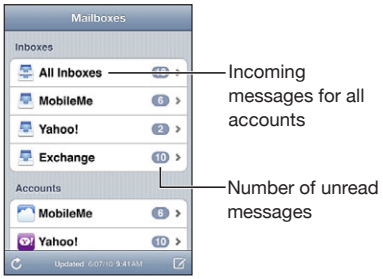
Checking and Reading Email

The Mail icon on the Home screen shows the number of unread messages in your inboxes. You may have other unread messages in other mailboxes.



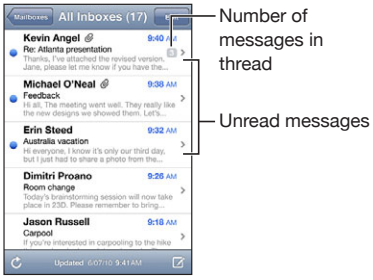
If Mail is in a folder, the folder shows the total number of unread message plus other items you haven't attended to, such as text messages, phone calls, and voicemail messages.

In Mail, the Mailboxes screen gives you quick access to all your inboxes and other mailboxes. Tap an inbox for an account to see its messages. To see incoming messages for all your accounts, tap All Inboxes. If you have only one mail account set up and turned on, then you'll see only one inbox on the Mailboxes screen.



When you open a mailbox, Mail retrieves and displays the most recent messages, and shows the number of unread messages at the top of the screen. Unread messages have a blue dot next to them. The number of messages retrieved is determined by your Mail settings. See "Mail" on page 171.

If you organize messages by thread, related messages appear as a single entry in the mailbox. Message threads have a number next to the right arrow, showing the number of messages in the thread. A blue dot indicates that one or more messages in the thread are unread. The message displayed is the oldest unread message, or the most recent message if all the messages are read.

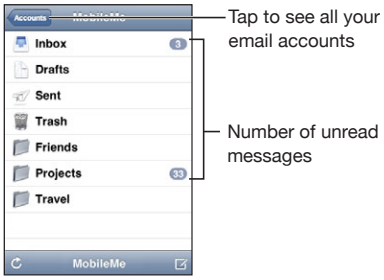


See messages in a thread: Tap the thread in the mailbox.

Read a message: Tap a message. Within a message, tap ▲ or ▼ to see the next or previous message.

Turn "Organize By Thread" on or off: In Settings, choose "Mail, Contacts, Calendars," and tap the switch to turn Organize By Thread on or off. See "Mail" on page 171.

If you have more than one account set up and turned on, the Accounts section of the Mailboxes screen provides access to your accounts. Tap an account to see its folders and mailboxes, including its inbox. If you have only one account set up and turned on, the folders and mailboxes for the account appear on the Mailboxes screen.

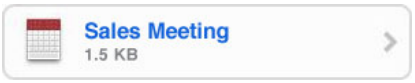


Check for new messages: Choose a mailbox, or tap ↻ at any time.

Load additional messages: Scroll to the bottom of the list of messages and tap Load More Messages.

Zoom in on part of a message	Double-tap an area of the message. Double-tap again to zoom out. Or pinch apart or together to zoom in or out.
Resize any column of text to fit the screen	Double-tap the text.
See all the recipients of a message	Tap Details. Tap a name or email address to see the recipient's contact information. Then tap a phone number, email address, or text message to contact the person. Tap Hide to hide the recipients.
Add an email recipient to your contacts list	Tap the message and, if necessary, tap Details to see the recipients. Then tap a name or email address and tap Create New Contact or "Add to Existing Contact."
Mark a message as unread	Open the message and tap "Mark as Unread." A blue dot appears next to the message in the mailbox list until you open it again.

Open a meeting invitation: Tap the invitation.



You can get contact information for the organizer and other invitees, set an alert, add notes to the event, and add comments that are included in your response emailed to the organizer. You can accept, tentatively accept, or decline the invitation. See "Responding to Meeting Invitations" on page 109.

Turn Push on or off: In Settings, choose "Mail, Contacts, Calendars" > Fetch New Data, then turn Push on or off. See "Fetch New Data" on page 170.

Using Links and Detected Data

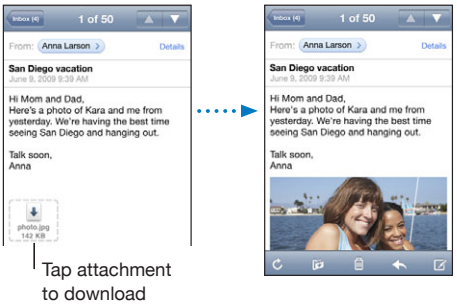
iPhone detects web links, phone numbers, email addresses, and other types of information that you can use to open a webpage, make a phone call, create a preaddressed email message, create or add information to a contact, or perform some other useful action. Detected data appears as blue underlined text. Tap the data to use its default action, or touch and hold it to see other actions.

Link or image	Tap to open the webpage in Safari. Touch and hold to: • Open the webpage in Safari • Copy the link
Phone number	Tap the number, then tap Call to dial the number. Touch and hold to: • Dial the number • Send a text message • Create a new contact with the number • Add the number to an existing contact
Address	Tap to display the location in Maps. Touch and hold to: • Display the location in Maps • Create a new contact with the address • Add the address to an existing contact • Copy the address
Email address	Tap to create a new preaddressed email message. Touch and hold to: • Create a new email message • Create a new contact with the address • Add the address to an existing contact • Copy the address
Day, date, or time	Tap the item, then tap Create Event to create an event in Calendar.
Tracking number (may not be available in all countries or regions)	Tap to open the shipper's webpage for the status of a package.

Viewing Attachments

iPhone displays image attachments in many commonly used formats (JPEG, GIF, and TIFF) inline with the text in email messages. iPhone can play many types of audio attachments, such as MP3, AAC, WAV, and AIFF. You can download and view files (such as PDF, webpage, text, Pages, Keynote, Numbers, and Microsoft Word, Excel, and PowerPoint documents) that are attached to messages you receive.

Open an attached file: Tap the attachment. It downloads to iPhone and then opens in Quick Look.



You can view attachments in portrait or landscape orientation.

If the format of an attached file isn't supported by iPhone, you can see the name of the file but you can't open it. iPhone supports the following document types:

.doc	Microsoft Word
.docx	Microsoft Word (XML)
.htm	webpage
.html	webpage
.key	Keynote
.numbers	Numbers
.pages	Pages
.pdf	Preview, Adobe Acrobat
.ppt	Microsoft PowerPoint
.pptx	Microsoft PowerPoint (XML)
.rtf	Rich Text Format
.txt	text
.vcf	contact information
.xls	Microsoft Excel
.xlsx	Microsoft Excel (XML)

Open an attached file with another application: Touch and hold the attachment, then choose an application. If no applications are available, you can choose to open the attachment in Quick Look.

Save an attached photo to your Camera Roll album: Tap the photo, then tap Save Image. If the photo hasn't been downloaded yet, tap the download notice first.

Save an attached video to your Camera Roll album: Touch and hold the attachment, then tap Save Video. If the video hasn't been downloaded yet, tap the download notice first.

Sending Email

You can send an email message to anyone who has an email address.

Compose and send a message:

1. Tap ✎.
2. Type a name or email address in the To field, or tap ⊕ to add a name from your contacts.

   As you type an email address, matching email addresses from your contacts list appear below. Tap an address to add it. To add more names, tap Return or ⊕.

   Note: If you're composing a message from your Microsoft Exchange account and have access to your enterprise Global Address List (GAL), matching addresses from the contacts on iPhone appear first, followed by matching GAL addresses.
3. Tap Cc/Bcc/From if you want to copy or blind copy the message to others, or change the account you send the message from. If you have more than one email account, or if you have email aliases for your MobileMe account, you can tap the From field to change the account or alias you're sending from.
4. Enter a subject, then your message.

   You can tap Return to move from one field to another.
5. Tap Send.

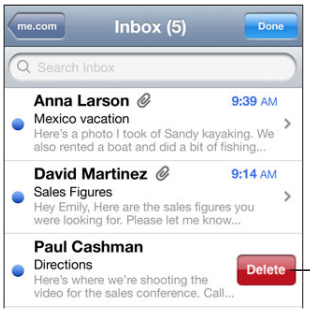
Send a photo or video (iPhone 3GS or later) in an email message	In Photos, choose a photo or video, tap , then tap Email Photo or Email Video. You can also copy and paste photos and videos. To send multiple photos or videos at the same time, tap when viewing thumbnails in an album, then tap to select the photos and videos, tap Share, and tap Email.
Paste and send a photo or video in an email message	In Photos, touch and hold a photo or video until the Copy command appears. Tap Copy. Go to Mail and create a new message. Tap to place the insertion point where you want the video, then tap the insertion point to display the edit commands and tap Paste. To copy multiple videos, in Photos, open an album, tap , tap to select photos and videos, then tap Copy.
Save a draft of a message to complete later	Tap Cancel, then tap Save. The message is saved in the Drafts mailbox.
Open the most recently saved draft	Touch and hold to open the most recently saved draft from the last account you were working in.
Reply to a message	Tap . Tap Reply to reply only to the sender or tap Reply All to reply to the sender and all recipients. Type your return message, then tap Send. Files or images attached to the initial message aren't sent back.
Forward a message	Open a message and tap , then tap Forward. Add one or more email addresses, type your message, then tap Send. When you forward a message, you can include the files or images attached to the original message.
Share contact information	In Contacts, choose a contact, tap Share Contact at the bottom of the Info screen, then tap Email.

Organizing Email

You can organize messages in any mailbox, folder, or search results window. You can delete messages one at a time, or select a group to delete all at once. You can also move messages from one mailbox or folder to another in the same account or between different accounts.

Delete a message: Open the message and tap 🗑.

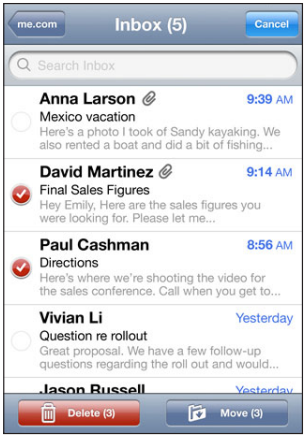
You can also delete a message directly from the mailbox message list by swiping left or right over the message title, then tapping Delete.



To show the Delete button, swipe left or right over the message.

Note: For Google accounts, tap Archive. Messages aren't deleted, but are moved to your account archive.

Delete multiple messages: When viewing a list of messages, tap Edit, select the messages you want to delete, then tap Delete.



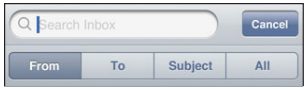
Move a message to another mailbox or folder: When viewing a message, tap 📁, then choose a mailbox or folder.

Tap Accounts to choose a mailbox or folder for another account.

Move multiple messages: When viewing a list of messages, tap Edit, select the messages you want to move, then tap Move and choose a mailbox or folder.

Searching Email

You can search the To, From, and Subject fields of email messages. Mail searches the downloaded messages in the currently open mailbox. For MobileMe, Exchange, and some IMAP mail accounts, you can also search messages on the server.



Search email messages: Open a mailbox, scroll to the top, and enter text in the Search field. Tap From, To, Subject, or All to choose which fields you want to search. To scroll quickly to the search field at the top of the list, tap the status bar.

Search results for the messages already downloaded to iPhone appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

Search messages on the server: Tap "Continue Search on Server" at the end of the search results.

Note: Search results of messages on servers may vary depending on the type of account. Some servers may search only whole words.

Mail messages are included in searches from the Home screen. See "Searching" on page 44.

Safari

7

Safari lets you surf the web and view webpages on iPhone as if you were on your computer. You can create bookmarks on iPhone and sync them with your computer. Add web clips to quickly access your favorite sites directly from the Home screen.

Viewing Webpages

You can view webpages in either portrait or landscape orientation. Rotate iPhone and the webpage rotates too, automatically adjusting to fit the page.

Opening Webpages

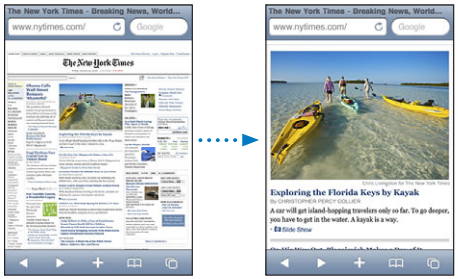
Open a webpage: Tap the address field (on the left side of the title bar), then type the web address and tap Go. If the address field isn't visible, tap the status bar at the top of the screen to quickly scroll to the address field at the top of the webpage.

As you type, web addresses that start with those letters appear. These are bookmarked pages or recent pages you've opened. Tap an address to go to that page. Keep typing if you want to enter a web address that's not in the list.

Erase the text in the address field: Tap the address field, then tap ⊗.

Zooming and Scrolling

Zoom in or out: Double-tap a column on a webpage to expand the column. Double-tap again to zoom out.



You can also pinch to zoom in or out manually.

Scroll around a webpage	Drag up, down, or sideways. When scrolling, you can touch and drag anywhere on the page without activating any links.
Scroll within a frame on a webpage	Use two fingers to scroll within a frame on a webpage. Use one finger to scroll the entire webpage.
Scroll quickly to the top of a webpage	Tap the status bar at the top of the iPhone screen.

Navigating Webpages

Links on webpages typically take you to another place on the web.

Follow a link on a webpage: Tap the link.

Links on iPhone can also make a phone call, display a location in Maps, play streaming audio, or create a preaddressed Mail message. To return to Safari after a link opens another application, press the Home ▢ button and tap Safari.

See a link's destination address	Touch and hold the link. The address pops up next to your finger. You can touch and hold an image to see if it has a link.
Stop a webpage from loading	Tap ✕.
Reload a webpage	Tap ↻.
Return to the previous or next page	Tap ◀ or ▶ at the bottom of the screen.
Return to a recently viewed page	Tap 📖 and tap History. To clear the history list, tap Clear.
Send a webpage address via email	Tap + and tap "Mail Link to this Page."
Save an image or photo to your Camera Roll album	Touch and hold the image, then tap Save Image.

Opening Multiple Pages

You can have up to eight pages open at a time. Some links automatically open a new page instead of replacing the current one.

The number inside the pages icon at the bottom of the screen shows how many pages are open. If there's no number inside, just one page is open. For example:

= one page is open

= three pages are open

Open a new page: Tap and tap New Page.

Go to another page: Tap and flick left or right. Tap the page you want to view.

Close a page: Tap and tap .

Entering Text and Filling Out Forms

Some webpages have text fields and forms to fill out. You can set Safari to remember names and passwords of websites you visit and fill out text fields automatically with information from Contacts. See "Safari" on page 175.

Bring up the keyboard	Tap inside a text field.
Move to another text field	Tap another text field, or tap the Next or Previous button.
Submit a form	Once you finish filling out a form, tap Go or Search. Most pages also have a link you can tap to submit the form.
Close the keyboard without submitting the form	Tap Done.

Enable AutoFill to help you fill out web forms: In Settings, choose Safari > AutoFill, then do one of the following:

- *To use information from contacts,* turn Use Contact Info on, then choose My Info and select the contact you want to use.

  Safari uses information from Contacts to fill in contact fields on web forms.
- *To use information from names and passwords,* turn Names & Passwords on.

  When this feature is on, Safari remembers names and passwords of websites you visit and automatically fills in the information when you revisit the website.
- *To remove all AutoFill information,* tap Clear All.

Searching

Use the search field to enter web searches. As you type, suggested and recent searches appear.

Search the web:

1. Tap the search field (on the right side of the title bar).
2. Type a word or phrase that describes what you're looking for, then tap a suggestion from the list or tap Search.
3. Tap a link in the list of search results to open a webpage.

By default, Safari searches using Google.

Set Safari to search using a different search engine: In Settings, choose Safari > Search Engine, then choose a different search engine.

Bookmarks

You can bookmark webpages you want to return to later.

Bookmark a webpage: Open the page and tap +. Then tap Add Bookmark.

When you save a bookmark you can edit its title. By default, bookmarks are saved at the top level of Bookmarks. Tap Bookmarks to choose another folder.

If you use Safari on a Mac, or Safari or Microsoft Internet Explorer on a PC, you can sync bookmarks with the web browser on your computer.

Sync bookmarks with your computer:

1. Connect iPhone to your computer.
2. In iTunes, select iPhone in the sidebar.
3. Click the Info tab, select "Sync … bookmarks" under Web Browser, then click Apply.

See "iPhone Settings Panes in iTunes" on page 55.

Sync bookmarks with MobileMe: In Settings on iPhone, select Bookmarks in your MobileMe account. See "Setting Up MobileMe Accounts" on page 25.

Open a bookmarked webpage: Tap 📖, then choose a bookmark or tap a folder to see the bookmarks inside.

Edit a bookmark or bookmark folder: Tap 📖, choose the folder that has the bookmark or folder you want to edit, then tap Edit. Then do one of the following:

- *To make a new folder,* tap New Folder.
- *To delete a bookmark or folder,* tap ⊖, then tap Delete.
- *To reposition a bookmark or folder,* drag ☰.
- *To edit the name or address, or to put it in a different folder,* tap the bookmark or folder.

When you're finished, tap Done.

Web Clips

Add web clips to the Home screen for fast access to your favorite webpages. Web clips appear as icons on the Home screen, and you can arrange your web clips along with the other icons. See "Customizing the Home Screen" on page 32.

Add a web clip: Open the webpage and tap +. Then tap "Add to Home Screen."

When you open a web clip, Safari automatically zooms and scrolls to the area of the webpage that was displayed when you saved the web clip. The displayed area is also used to create the icon for the web clip on your Home screen, unless the webpage comes with its own custom icon.

When you add a web clip, you can edit its name. If the name is too long (more than about 10 characters), it may appear abbreviated on the Home screen.

Web clips aren't bookmarks, and aren't synced by MobileMe or iTunes.

Delete a web clip:

1. Touch and hold any icon on the Home screen until the icons start to wiggle.
2. Tap ⊗ in the corner of the web clip you want to delete.
3. Tap Delete, then press the Home ▢ button to save your arrangement.

iPod

8

Use iPod to enjoy your favorite music, widescreen videos, and more. Browse your content on iPhone by playlist, artists, songs, videos, and other categories, or browse your album art using Cover Flow.

Getting Music, Videos, and More

There are two ways to get music, videos, and other content onto iPhone:

- Transfer music, videos, and more onto iPhone by syncing content from iTunes on your computer. You can sync all of your media, or you can select specific songs, videos, podcasts, and iTunes U collections. See "Syncing with iTunes" on page 54.
- Use the iTunes Store on iPhone to purchase and download songs, albums, TV shows, movies, music videos, ringtones, and audiobooks directly to iPhone. You can also stream and download audio and video podcasts, as well as iTunes U content. After listening to a podcast or watching a TV show, you can tap a built-in link to get more episodes from the iTunes Store. See Chapter 22, "iTunes Store," on page 180.

Music and Other Audio

The high-resolution Multi-Touch display makes listening to songs on iPhone as much a visual experience as a musical one. You can scroll through your playlists, or use Cover Flow to browse through your album art.

WARNING: For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Playing Songs and Other Audio

You can browse content on iPhone by playlists, artists, songs, videos, and other categories, or browse your album art using Cover Flow. Playlist folders, which you can sync from iTunes, organize playlists into groups.

Browse your collection: Tap Playlists, Artists, or Songs. Tap More to browse Albums, Audiobooks, Compilations, Composers, Genres, iTunes U, Podcasts, or Videos.

You can replace the browse buttons at the bottom of the screen with buttons you use more frequently. See "Changing the Browse Buttons" on page 100.

Get more podcast episodes: Tap Podcasts, then tap a podcast to see a list of episodes. Tap "Get More Episodes…" to see a list of more episodes in the iTunes Store.

Browse Genius Mixes: Tap Genius. If Genius doesn't appear, you need to turn on Genius in iTunes, and then sync iPhone with iTunes. See "Using Genius on iPhone" on page 94.

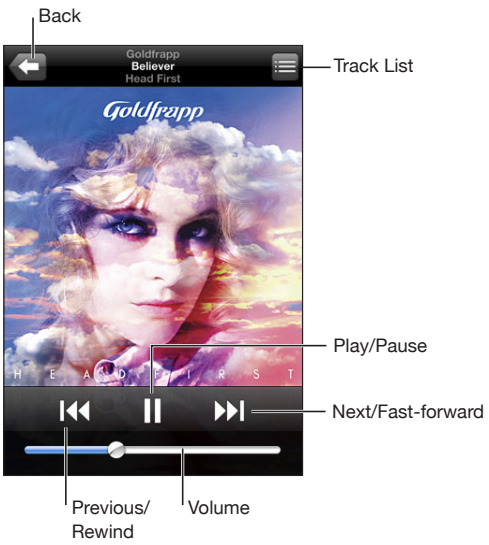
Play a song: Tap the song.

Shake to shuffle: Shake iPhone to turn shuffle on and change songs. Shake anytime to change to another song.

You can turn the "Shake to Shuffle" feature on or off in Settings > iPod (it's on by default). See "Music" on page 177.

Controlling Audio Playback

When you play a song, the Now Playing screen appears.



Pause a song	Tap ⏸, or press the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset).
Resume playback	Tap ▶, or press the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset).
Raise or lower the volume	Drag the volume slider or use the buttons on the side of iPhone. You can also use the volume buttons on the iPhone earphones (iPhone 3GS or later).
Restart a song or a chapter in an audiobook or podcast	Tap ⏮.
Skip to the next song or chapter in an audiobook or podcast	Tap ⏭, or press the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset) twice quickly.
Go to the previous song or chapter in an audiobook or podcast	Tap ⏮ twice, or press the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset) three times quickly.
Rewind or fast-forward	Touch and hold ⏮ or ⏭. The longer you hold the control, the faster the song rewinds or fast-forwards. On the iPhone earphones, press the center button (or the equivalent button on a Bluetooth headset) twice quickly and hold to fast forward, or three times quickly and hold to rewind.
Return to the iPod browse lists	Tap ↩, or swipe to the right over the album cover.
Return to the Now Playing screen	Tap Now Playing.
Display a song's lyrics	Tap the album cover when playing a song. (Lyrics appear if you've added them to the song using the song's Info window in iTunes.)

Display audio playback controls from another application or from the Lock screen (iPhone 3GS or later): Double-click the Home ▢ button, then flick from left to right along the bottom of the screen.

The controls operate the currently playing application, or the most recent application that played, if the audio is paused. The icon for the active application appears on the right. You can tap the icon to open the application.

If iPhone is locked and music is playing, double-click the Home button.

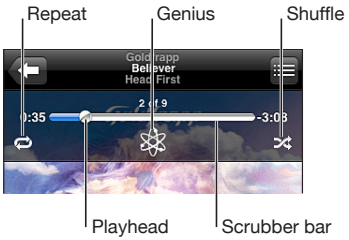
Note: On iPhone 3G, if you're listening to music while using another application, or if iPhone is locked, you can display playback controls by double-clicking the Home button. See "Home Button" on page 163.

Additional Audio Controls

From the Now Playing screen, tap the album cover.

The repeat, Genius, and shuffle controls appear along with the scrubber bar. You can see elapsed time, remaining time, and the song number. The song's lyrics also appear, if you've added them to the song in iTunes.

The scrubber bar lets you skip to any point along the timeline. You can adjust the scrub rate from high-speed to fine by sliding your finger down as you drag the playhead along the scrubber bar.



Set iPhone to repeat songs	Tap. Tap again to set iPhone to repeat only the current song. = iPhone is set to repeat all songs in the current album or list. = iPhone is set to repeat the current song over and over. = iPhone isn't set to repeat songs.
Skip to any point in a song	Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.
Make a Genius playlist	Tap. The Genius playlist appears, with buttons that let you create a new Genius playlist, refresh the current one, or save the playlist. See "Using Genius on iPhone" on page 94.
Set iPhone to shuffle songs	Tap. Tap again to set iPhone to play songs in order. = iPhone is set to shuffle songs. = iPhone is set to play songs in order.

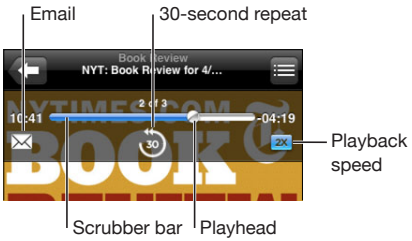
Shuffle the tracks in any playlist, album, or other list of songs	Tap Shuffle at the top of the list. For example, to shuffle all the songs on iPhone, choose Songs > Shuffle. Whether or not iPhone is set to shuffle, if you tap Shuffle at the top of a list of songs, iPhone plays the songs from that list in random order.
Hide lyrics	In Settings, choose iPod, then turn Lyrics & Podcast Info off.

Podcast and Audiobook Controls

Additional controls and information appear on the Now Playing screen when you begin playback.

The email, 30-second repeat, and playback speed controls appear along with the scrubber bar. You can see elapsed time, remaining time, and the episode or chapter number.

The scrubber bar lets you skip to any point along the timeline. You can adjust the scrub rate from high-speed to fine by sliding your finger down as you drag the playhead along the scrubber bar.



Send an email link to this podcast	Tap ✉.
Skip to any point	Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.
Play back the last 30 seconds	Tap 30.
Set the playback speed	Tap 1X. Tap again to change the speed. 2X = Play at double speed. ½X = Play at half speed. 1X = Play at normal speed.
Show or hide the controls	Tap in the center of the screen.
Hide podcast information	In Settings, choose iPod, then turn Lyrics & Podcast Info off.

Using Voice Control with iPod

You can use Voice Control (iPhone 3GS or later) to control music playback on iPhone.

Note: Voice Control may not be available in all languages.

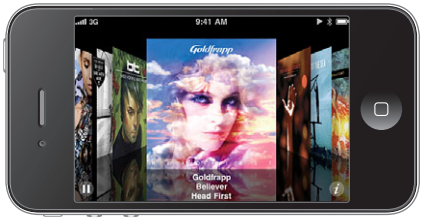
Use Voice Control: Press and hold the Home ▢ button until the Voice Control screen appears and you hear a beep. Then use the commands described below to play songs.

You can also press and hold the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset) to bring up Voice Control.

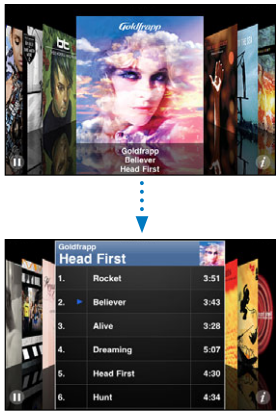
Control music playback	Say "play" or "play music." To pause, say "pause" or "pause music." You can also say "next song" or "previous song."
Play an album, artist, or playlist	Say "play," then say "album," "artist," or "playlist" and the name.
Shuffle the current playlist	Say "shuffle."
Find out more about the currently playing song	Say "what's playing," "what song is this," "who sings this song," or "who is this song by."
Use Genius to play similar songs	Say "Genius," "play more like this," or "play more songs like this."
Cancel Voice Control	Say "cancel" or "stop."

Browsing Album Covers in Cover Flow

When you're browsing music, you can rotate iPhone sideways to see your iTunes content in Cover Flow and browse your music by album artwork.



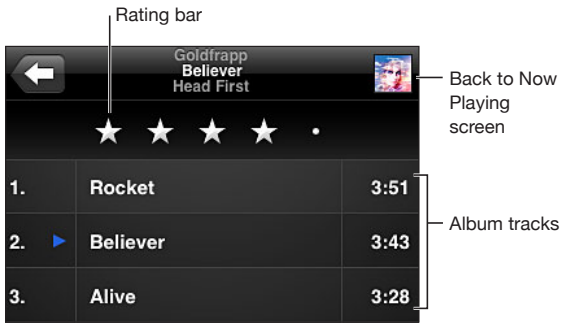
Browse album covers	Drag or flick left or right.
See the tracks on an album	Tap a cover or ⓘ.



Play any track	Tap the track. Drag up or down to scroll through the tracks.
Return to the cover	Tap the title bar. Or tap ⓘ again.
Play or pause the current song	Tap ▶ or ❚❚. You can also press the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset).

Viewing All Tracks on an Album

See all the tracks on the album that contains the current song: From the Now Playing screen tap ☰. Tap a track to play it. Tap the album cover thumbnail to return to the Now Playing screen.

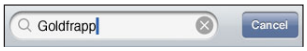


In track list view, you can assign ratings to songs. You can use ratings to create smart playlists in iTunes that dynamically update to include, for example, your highest rated songs.

Rate a song: Drag your thumb across the rating bar to give the song zero to five stars.

Searching Audio Content

You can search the titles, artists, albums, and composers of songs, podcasts, and other content you've synced to iPhone.



Search music: Enter text in the search field at the top of a song list, playlist, artist list, or other view of your iPod content. (Tap the status bar to scroll quickly to the top of a list and reveal the search field.)

Search results appear as you type. Tap Search to dismiss the keyboard and see more of the results.

Audio content is included in searches from the Home screen. See "Searching" on page 44.

Using Genius on iPhone

Genius finds songs in your iTunes library that go great together. A Genius playlist is a collection of songs that are picked for you to go with a song you choose from your library. A Genius Mix is a selection of songs of the same kind of music. Genius Mixes are recreated each time you listen to them, so they're always new and fresh.

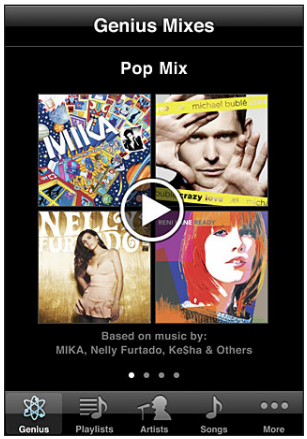
You can create Genius playlists in iTunes and sync them to iPhone. You can also create and save Genius playlists directly on iPhone.

Genius Mixes are created automatically for you by iTunes. iTunes creates different mixes depending on the variety of music you have in your iTunes library. For example, you may have Genius Mixes that highlight R&B songs, or Alternative Rock songs.

To use Genius on iPhone, first turn on Genius in iTunes, then sync iPhone with iTunes. Genius Mixes are synced automatically, unless you manually manage your music and choose which mixes you want to sync in iTunes. Genius is a free service, but it requires an iTunes Store account.

When you sync a Genius Mix, iTunes may select and sync songs from your library that you haven't specifically chosen to sync.

Browse Genius Mixes: Tap Genius. The number of dots at the bottom of the screen shows the number of mixes you've synced from iTunes, and indicates which mix you're viewing. Flick left or right to access your other mixes.



Play a Genius Mix: Tap the mix or tap ▶.

Make a Genius playlist on iPhone:

1. Tap Playlists, then tap Genius Playlist.
2. Tap a song in the list. Genius creates a playlist with additional songs that go great with that song.

   You can also make a Genius playlist of songs that go great with the song you're playing. From the Now Playing screen, tap the album cover to display additional controls, then tap ⚛.

   Save a Genius playlist: In the playlist, tap Save. The playlist is saved in Playlists with the title of the song you picked.

   You can make and save as many Genius playlists as you want. If you save a Genius playlist created on iPhone, it syncs back to iTunes the next time you connect.

   Refresh a Genius playlist: In the playlist, tap Refresh.

   Refreshing a playlist creates a playlist of different songs that go great with the song you picked. You can refresh any Genius playlist, whether it was created in iTunes and synced to iPhone, or created directly on iPhone.

   Make a Genius playlist using a different song: Tap Genius Playlist, then tap New and pick a song.

   Delete a saved Genius playlist: Tap the Genius playlist, then tap Delete.

   Once a Genius playlist is synced back to iTunes, you won't be able to delete it directly from iPhone. You can use iTunes to edit the playlist name, stop syncing, or delete the playlist.

Making Playlists

You can create and edit your own playlists on iPhone. You can also edit playlists synced from iTunes on your computer.

Make a playlist:

1. Tap Playlists, then tap "Add Playlist…"
2. Type a name for your playlist, then tap Save.
3. Browse for songs using the buttons at the bottom of the screen. Tap any song or video to add it to the playlist. Tap Add All Songs at the top of any list of songs to add all the songs in the list.
4. When you finish, tap Done.

When you make a playlist and then sync iPhone to your computer, the playlist is synced to your iTunes library.

Edit a playlist:

1. Tap Playlists, then tap the playlist you want to edit.
2. Tap Edit, then do one of the following:
   - *To move a song higher or lower in the list,* drag ☰ next to the song.
   - *To delete a song from the playlist,* tap ⊖ next to a song, then tap Delete. Deleting a song from a playlist doesn't delete it from iPhone.
   - *To add more songs,* tap +.
3. When you finish, tap Done.

When you edit a playlist and then sync iPhone to your computer, the playlist is synced to your iTunes library.

Delete a playlist: In Playlists, tap the playlist you want to delete, then tap Delete (scroll to the top of the list to reveal the Delete button). Confirm by tapping Delete Playlist.

Clear a playlist: In Playlists, tap the playlist you want to clear, then tap Clear (scroll to the top of the list to reveal the Clear button). Confirm by tapping Clear Playlist.

Videos

With iPhone, you can view video content such as movies, music videos, and video podcasts. If a video contains chapters, you can skip to the next or previous chapter, or bring up a list and start playing at any chapter that you choose. If a video provides alternate language features, you can choose an audio language or display subtitles.

Playing Videos

Play a video: Tap Videos, then tap the video.

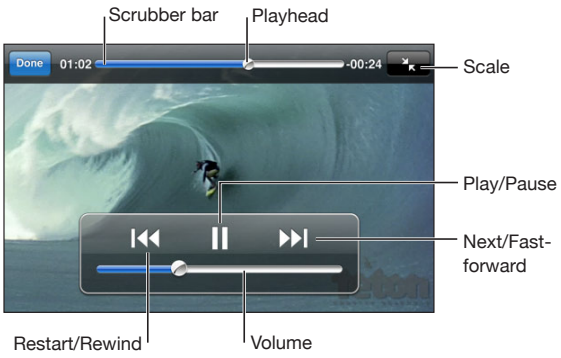
Display playback controls: Tap the screen to show the controls. Tap again to hide them.

Get more podcast or TV show episodes: Tap Videos, then tap a podcast or TV show to see a list of episodes. Tap "Get More Episodes…" to see a list of more episodes in the iTunes Store.

Controlling Video Playback

Videos play in landscape orientation to take full advantage of the widescreen display.

The scrubber bar lets you skip to any point along the timeline. You can adjust the scrub rate by sliding your finger down as you drag the playhead along the scrubber bar.

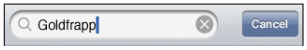


Pause a video	Tap ⏸, or press the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset).
Resume playback	Tap ▶, or press the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset).
Raise or lower the volume	Drag the volume slider. You can also use the volume buttons on the iPhone earphones (iPhone 3GS or later).
Start a video over	Drag the playhead on the scrubber bar all the way to the left, or tap ⏮ if the video doesn't contain chapters.
Skip to the next chapter (if available)	Tap ⏭, or press the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset) twice quickly.
Go to the previous chapter (if available)	Tap ⏮, or press the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset) three times quickly.
Start playing at a specific chapter (if available)	Tap ☰, then choose a chapter from the list.
Rewind or fast-forward	Touch and hold ⏮ or ⏭.

Skip to any point in a video	Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.
Stop watching a video before it finishes playing	Tap Done. Or press the Home button.
Scale a video to fill the screen or fit to the screen	Tap to make the video fill the screen. Tap to make it fit the screen. You can also double-tap the video to switch between fitting and filling the screen. When you scale a video to fill the screen, the sides or top may be cropped from view. When you scale it to fit the screen, you may see black bars on the sides or above and below the video.
Select an alternate audio language (if available)	Tap, then choose a language from the Audio list.
Show or hide subtitles (if available)	Tap, then choose a language, or Off, from the Subtitles list.

Searching for Videos

You can search the titles of movies, TV shows, and video podcasts you've synced to iPhone.



Search for a video: Enter text in the search field at the top of the list of videos.

Search results appear as you type. Tap Search to dismiss the keyboard and see more of the results.

Video content is included in searches from the Home screen. See "Searching" on page 44.

Watching Rented Movies

You can rent movies from the iTunes Store and watch them on iPhone. You can download rented movies directly to iPhone, or transfer them from iTunes on your computer to iPhone. (Rented movies may not be available in all countries or regions.)

See "Purchasing or Renting Videos" on page 184.

A movie must be completely downloaded before you can start watching. You can pause a download and resume it later. Rented movies expire after a certain number of days, and once you start a movie you have a limited amount of time to finish watching it. The time remaining appears near the movie's title. Movies are automatically deleted when they expire. Before renting a movie, check the iTunes Store for the expiration time.

View a rented movie: On iPhone, choose iPod > Videos, and then select a movie.

On iPhone 3G and iPhone 3GS, you can transfer rented movies between iPhone and your computer. On iPhone 4, you can transfer rented movies between iPhone and your computer only if they were rented in iTunes on your computer. Movies rented on iPhone 4 cannot be transferred to a computer.

Transfer rented movies between iPhone and your computer:

1. Connect iPhone to your computer.
2. In iTunes, select iPhone under Devices, then click Movies.
3. Click Move next to the movie you want to transfer, then click Apply.

Your computer must be connected to the Internet.

Watching Videos on a TV

You can connect iPhone to your TV and watch your videos on the large screen. Use the Apple Component AV Cable, Apple Composite AV Cable, or other authorized iPhone compatible cable. You can also use these cables with the Apple Universal Dock to connect iPhone to your TV. The Apple Universal Dock includes a remote that lets you control playback from a distance.

Apple cables and docks are available for purchase separately. Go to www.apple.com/ipodstore (may not be available in all countries or regions) or check with your local Apple retailer.

Converting Videos for iPhone

You can add videos other than those purchased from the iTunes Store to iPhone, such as videos you create in iMovie on a Mac, or videos you download from the Internet and then add to iTunes.

If you try to add a video from iTunes to iPhone and a message says the video can't play on iPhone, you can convert the video.

Convert a video to work with iPhone: Select the video in your iTunes library and choose Advanced > "Create iPod or iPhone Version." Then add the converted video to iPhone.

Deleting Videos from iPhone

You can delete videos from iPhone to save space.

Delete a video: In the videos list, swipe left or right over the video, then tap Delete.

Deleting a video (other than rented movies) from iPhone doesn't delete the video from your iTunes library. It may reappear on iPhone if you still have the video set to sync.

Important: If you delete a rented movie from iPhone, it's deleted permanently and cannot be transferred back to your computer.

Setting a Sleep Timer

You can set iPhone to stop playing music or videos after a period of time.

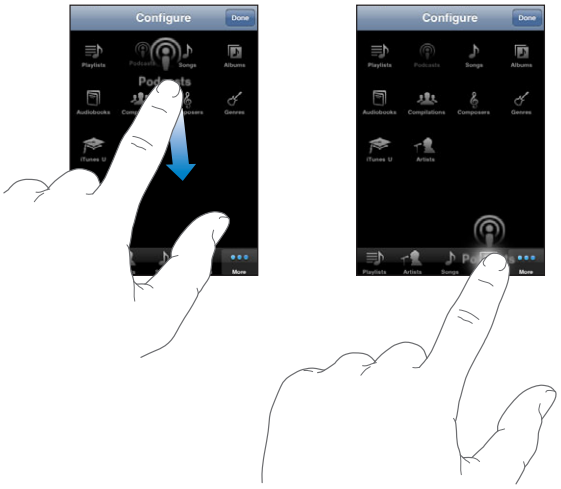
Set a sleep timer: From the Home screen choose Clock > Timer, then flick to set the number of hours and minutes. Tap When Timer Ends and choose Sleep iPod, tap Set, then tap Start to start the timer.

When the timer ends, iPhone stops playing music or video, closes any other open application, and then locks itself.

Changing the Browse Buttons

You can replace the browse buttons at the bottom of the screen with buttons you use more frequently. For example, if you often listen to podcasts, you can replace the Songs button with Podcasts.

Change the browse buttons: Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. Tap Done when you finish. Tap More at any time to access the buttons you replaced.

Messages

9

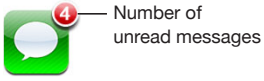
Sending and Receiving Messages

WARNING: For important information about driving safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Messages lets you exchange text messages with anyone using an SMS-capable phone. Messages also supports MMS, so you can send photos, video clips (iPhone 3GS or later), contact information, and voice memos to other MMS-capable devices. You can enter multiple addressees and send a message to several people at the same time.

Note: SMS or MMS support may not be available in all countries or regions. Additional fees may apply for use of Messages. Contact your carrier for more information.

The Messages icon on the Home screen shows the number of unread messages you have. If the Messages application is in a folder, the folder shows the total number of unread messages and other items you haven't attended to, such as email messages, phone calls, and voicemail messages.

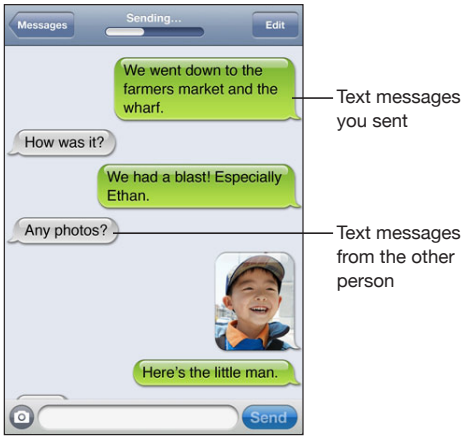


You can use Messages whenever you're in range of the cellular network. If you can make a call, you can send a message. Depending on your phone plan, you may be charged for the messages you send or receive.

Send a message: Tap ✎, then enter a phone number or name, or tap ⊕ and choose a contact from your contacts list. Tap the text field above the keyboard, type a message, and tap Send.

If the message can't be sent (if you're out of cellular network range, for example), an alert badge appears on the Messages icon on the Home screen. If Messages is in a folder, the alert badge appears on the folder.

Your conversations are saved in the Messages list. Conversations that contain unread messages have a blue dot next to them. Tap a conversation in the list to see that conversation or add to it.



iPhone displays the 50 most recent messages in the conversation. To see earlier messages, scroll to the top and tap Load Earlier Messages.

Send a message to more than one person: Tap , then add recipients. If you enter a phone number manually (instead of selecting it from Contacts), tap Return before entering another entry.

Replies from any of the recipients are sent only to you, not to the other people you texted.

Reply or send a message to a person (or group) you've texted before: Tap an entry in the Messages list, then type a new message in the conversation and tap Send.

Send a message to a favorite or to a recent call:

1. From the Home screen tap Phone, then tap Favorites or Recents.
2. Tap next to a name or number, then tap Text Message.
3. If multiple phone numbers appear, tap the one you want to text.

When MMS is available, Messages allows you to include a subject in your text messages. You can turn this feature on or off in Messages settings. It is turned on by default.

Include or remove the subject field: In Settings, tap Messages, then tap Show Subject Field.

Note: The subject field and the Show Subject Field setting don't appear if MMS isn't supported by your carrier.

Turn character count on or off: In Settings, tap Messages, then tap the Character Count switch. The character count includes all characters—including spaces, punctuation, and returns—and appears as you type when your message exceeds two lines. You may want to count characters, for example, when carrier fees apply.

Note: The character count does not appear if you enter text in the subject field.

Turn MMS messaging on or off: In Settings, tap Messages, then tap MMS Messaging. You may want to turn MMS Messaging off, for example, to prevent sending or receiving attachments when fees apply.

Note: The MMS Messaging setting doesn't appear if MMS isn't supported by your carrier.

Searching Messages

You can search the content of message threads from the Messages list.

Search the Messages list: Tap the top of the screen to display the search field, then tap the search field and enter the text you're looking for.

Messages are included in searches from the Home screen. See "Searching" on page 44.

Sharing Photos and Videos

You can take a photo or make a video (iPhone 3GS or later) from within Messages and include it in your conversation with another MMS-capable device. You can save photos or videos you receive in Messages to your Camera Roll album.

If MMS isn't supported by your carrier, the button doesn't appear and you can't send photos or videos.

Send a photo or video: Tap and tap "Take Photo or Video" (iPhone 3GS or later; on earlier models, tap "Take Photo"), or "Choose Existing" and select an item from a photo album and tap Choose.

The size limit of attachments is determined by your carrier. If necessary, iPhone may compress the photo or video. To learn about taking photos and videos, see Chapter 12, "Camera," on page 119.

Save a photo or video attachment to your Camera Roll album: Tap the photo or video in the conversation, tap , then tap Save Image or Save Video.

Copy a photo or video: Touch and hold the attachment, then tap Copy. You can paste the photo or video to an Mail message or another MMS message.

Sending Voice Memos

You can send voice memos in a message to another MMS-capable device.

Send a voice memo: In Voice Memos, tap ☰, tap the voice memo you want to send, then tap Share and tap MMS. Address the message and tap Send.

Editing Conversations

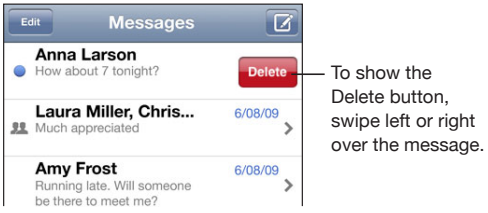
If you want to keep a conversation but not the entire thread, you can delete the parts you don't want. You can also delete entire conversations from the Messages list.

Edit a conversation: Tap Edit. Tap the circles along the left side to select the parts of the conversation you want to delete, then tap Delete. When you're finished, tap Done.

Clear all text and files, without deleting the conversation: Tap Edit, then tap Clear All. Tap Clear Conversation to confirm.

Forward a conversation: Select a conversation, then tap Edit. Tap the circles on the left side of the screen to select the parts of the conversation you want to include, then tap Forward, enter one or more recipients, and tap Send.

Delete a conversation: Tap Edit, then tap ⊖ next to the conversation and tap Delete. You can also swipe left or right over the conversation and tap Delete.



Using Contact Information and Links

Call or email someone you've texted: Tap a message in the Text Messages list and scroll to the top of the conversation. (Tap the status bar to scroll quickly to the top of the screen.)

- *To call the person,* tap Call.
- *To email the person,* tap Contact Info, then tap an email address.

Follow a link in a message: Tap the link.

A link may open a webpage in Safari, make a phone call in Phone, open a preaddressed message in Mail, or display a location in Maps. To return to your text messages, press the Home button and tap Messages.

Add someone you've texted to your contacts list: Tap a phone number in the Messages list, then tap "Add to Contacts."

Send contact information: In Contacts, tap the person whose information you want to share. Tap Share Contact at the bottom of the screen, then tap MMS. Address the message and tap Send.

Save contact information received: Tap the contact bubble in the conversation and tap Create New Contact or "Add to Existing Contact."

Managing Previews and Alerts

By default, iPhone displays a preview of new messages when iPhone is locked or you are using another application. You can turn this preview on or off in Settings. You can also enable alerts for text messages.

Turn previews on or off: In Settings, choose Messages and tap Show Preview.

Repeat previews: In Settings, choose Messages and tap Repeat Alert. If you don't respond to the first preview of a new message, the preview will be displayed twice more.

Set whether an alert sounds when you get a text message or preview: In Settings, choose Sounds, then tap New Text Message. Tap the alert sound you want, or None if you don't want an audible alert.

Important: If the Ring/Silent switch is off, text alerts won't sound.

Calendar

10

About Calendar

Calendar gives you ready access to your calendars and events. You can view individual calendars, or several calendars at once. You can view your events by day, by month, or in a list. You can search the titles, invitees, locations, and notes of events. If you've entered birthdays for your contacts, you can view those birthdays in Calendar.

You can sync iPhone with the calendars on your computer, and with services such as MobileMe, Microsoft Exchange, Yahoo!, and Google. You can also make, edit, or cancel appointments on iPhone and have them sync back to your computer or calendar account. If you have a MobileMe, Microsoft Exchange, Google, Yahoo!, or CalDAV account, your calendars can sync over the air without connecting iPhone to your computer. MobileMe Shared Calendars that you've joined from your computer also sync with iPhone.

You can subscribe to read-only iCalendar (.ics) calendars. If you have a Microsoft Exchange account with Calendars enabled, or a supported CalDAV account, you can receive and respond to meeting invitations from others, and invite people to events you've scheduled.

Syncing Calendars

You can sync Calendar in either of the following ways:

- In iTunes, use the iPhone Info pane to sync with iCal or Microsoft Entourage on a Mac, or Microsoft Outlook 2003, 2007, or 2010 on a PC, when you connect iPhone to your computer. See "iPhone Settings Panes in iTunes" on page 55.
- In Settings on iPhone, turn on Calendars in your MobileMe, Microsoft Exchange, Google, or Yahoo! accounts to sync your calendar information over the air, or set up a CalDAV account if your company or organization supports it. See "Adding Mail, Contacts, and Calendar Accounts" on page 25.

Viewing Your Calendars

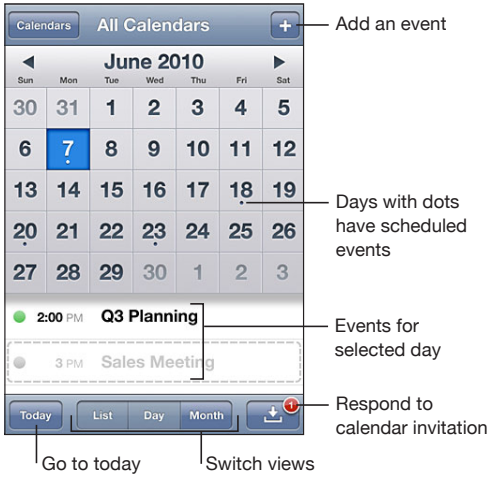
You can view a single calendar, selected calendars, or all calendars at once.

Select calendars to view: Tap Calendars, then tap to select the calendars you want to view. To quickly select or deselect all calendars, tap Show All Calendars or Hide All Calendars. To view your contacts' birthdays, tap Birthdays at the bottom of the screen. Tap Done to view the selected calendars.

The events for all selected calendars appear in a single calendar on iPhone. You can view your calendar events in a list, by day, or by month.

Switch views: Tap List, Day, or Month.

- *List view:* All your appointments and events appear in a scrollable list.
- *Day view:* Scroll up or down to see the events in a day. Tap ◀ or ▶ to see the previous or next day's events.
- *Month view:* Tap a day to see its events. Tap ◀ or ▶ to see the previous or next month.



See the details of an event: Tap the event.

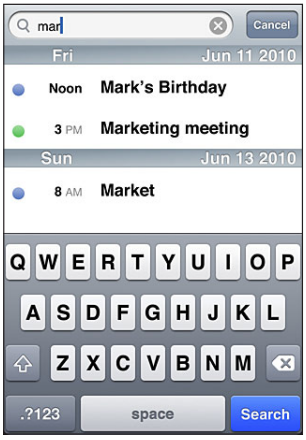
Set iPhone to adjust event times for a selected time zone:

1. In Settings, choose "Mail, Contacts, Calendars."
2. Under Calendars, tap Time Zone Support, then turn Time Zone Support on.
3. Tap Time Zone, then search for a major city in the time zone you want.

When Time Zone Support is on, Calendar displays event dates and times in the time zone of the city you selected. When Time Zone Support is off, Calendar displays events in the time zone of your current location as determined by the network time.

Searching Calendars

You can search the titles, invitees, locations, and notes fields of the events in your calendars. Calendar searches only the events for the calendars you're currently viewing.



Search for events: In list view, enter text in the search field.

Search results appear as you type. Tap Search to dismiss the keyboard and see more results.

Calendar events are included in searches from the Home screen. See "Searching" on page 44.

Adding and Updating Events on iPhone

You can create and update calendar events directly on iPhone.

If you have a MobileMe or Microsoft Exchange account with calendars enabled, or a supported CalDAV account, you can invite other people to your event or meeting.

Add an event: Tap + and enter event information, then tap Done.

You can enter any of the following:

- Title
- Location
- Starting and ending times (or turn on All-day if it's an all-day event)
- Repeat times—none, or every day, week, two weeks, month, or year
- Invitees (if supported by your calendar server)
- Alert time—from five minutes to two days before the event

  When you set an alert, the option to set a second alert appears. When an alert goes off, iPhone displays a message. You can also set iPhone to play a sound (see "Alerts" on page 111).

Important: Some carriers don't support network time in all locations. If you're traveling, iPhone may not alert you at the correct local time. To manually set the correct time, see "Date and Time" on page 166.

- Calendar

  You can change the default calendar using the Default Calendar setting. See "Calendars" on page 172.

- Notes

You can't assign an event to a read-only calendar.

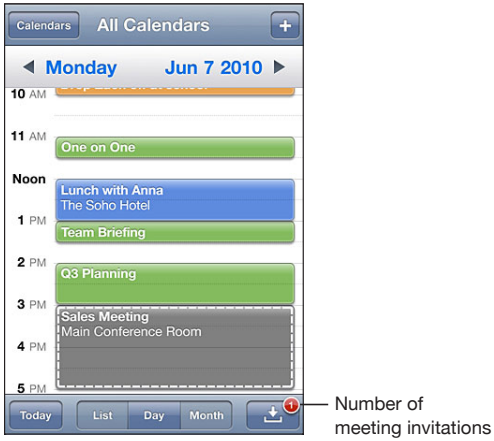
Events can also be created by tapping a day, date, or time in a Mail message. See "Using Links and Detected Data" on page 76.

Update an event: Tap Edit and change event information. Tap Done when you're finished.

Delete an event: Tap the event, tap Edit, then scroll down and tap Delete Event.

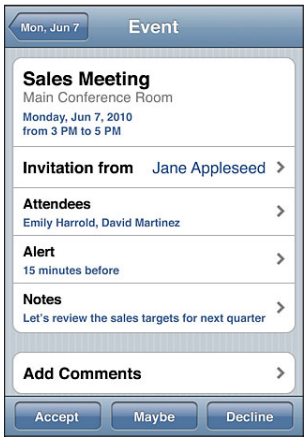
Responding to Meeting Invitations

If you have a Microsoft Exchange account with calendars enabled, or a supported CalDAV account, you can receive and respond to meeting invitations from people in your organization. When you receive an invitation, the meeting appears in your calendar with a dotted line around it. The notifications button in the lower-right corner of the screen shows the total number of new invitations you have, as does the Calendar icon on the Home screen.



Respond to an invitation in Calendar:

1 Tap a meeting invitation in the calendar, or tap to display the Event screen and tap an invitation.



- Tap "Invitation from" to get contact information for the meeting organizer. Tap the email address to send a message to the organizer. If the organizer is in your contacts list, you can also tap to call or send a text message.
- Tap Invitees to see the other people invited to the meeting. Tap a name to see an attendee's contact information. Tap the email address to send a message to the attendee. If the attendee is in your contacts list, you can also tap to call or send a text message.
- Tap Alert to set iPhone to sound an alert before the meeting.
- Tap Add Comments to add comments in the email response to the meeting organizer. You comments will also appear in your Info screen for the meeting.

Notes are made by the meeting organizer.

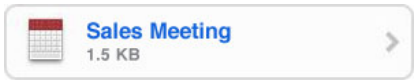
2 Tap Accept, Maybe, or Decline.

When you accept, tentatively accept, or decline the invitation, a response email that includes any comments you added is sent to the organizer.

If you accept or tentatively accept the meeting, you can change your response later. Tap Add Comments if you want to change your comments.

Meeting invitations are also sent in an email message, which lets you open the meeting's Info screen from Mail.

Open a meeting invitation in an email message: Tap the invitation.



Subscribing to Calendars

You can subscribe to calendars that use the iCalendar (.ics) format. Many calendar-based services support calendar subscriptions, including Yahoo!, Google, and the Mac OS X iCal application.

Subscribed calendars are read-only. You can read events from subscribed calendars on iPhone, but you can't edit them or create new events.

Subscribe to a calendar:

1. In Settings, choose "Mail, Contacts, Calendars," then tap Add Account.
2. Choose Other, then choose Add Subscribed Calendar.
3. Enter the server information, then tap Next to verify the subscription.
4. Tap Save.

Apple provides links to a number of free iCal calendars—for national holidays or sports events, for example—that you may want to subscribe to. The calendars are added to iCal on your desktop when you download them. You can then sync them to iPhone as described in "Syncing Calendars" on page 106. Go to www.apple.com/downloads/macosx/calendars.

You can also subscribe to an iCal (or other .ics) calendar published on the web by tapping a link to the calendar you receive in an email or text message on iPhone.

Alerts

Set calendar alerts: In Settings, choose Sounds, then turn Calendar Alerts on. If Calendar Alerts is off when an event is about to occur, iPhone displays a message but makes no sound.

Important: If the Ring/Silent switch is off, calendar alerts won't sound.

Sound alerts for invitations: In Settings, choose "Mail, Contacts, Calendar." Under Calendars, tap New Invitation Alert to turn it on.

Photos

11

About Photos

iPhone lets you carry photos and videos with you, so you can share them with your family, friends, and associates. You can sync photos and videos from your computer, view photos and videos taken with iPhone, use photos as wallpaper, and assign photos to identify contacts when they call. You can also send photos and videos in email messages, send photos and videos in MMS messages, and upload photos and videos to MobileMe galleries.

Note: Video features are available on iPhone 3GS or later. MMS is available if supported by your carrier.

Syncing Photos and Videos with Your Computer

iTunes can sync your photos and videos with the following applications:

- *Mac:* iPhoto 4.0.3 or later (syncing videos requires iPhoto 5 or later), or Aperture (photos only)
- *PC:* Adobe Photoshop Elements 3.0 or later (photos only)

You can also sync photos and videos from any folder on your computer that contains images. See "Syncing with iTunes" on page 54.

iPhone supports H.264 and MPEG-4 video formats, with AAC audio. If you are having trouble syncing a video to iPhone, you might be able to use iTunes to create an iPhone version of the video.

Create an iPhone version of a video:

1. Copy the video to your iTunes library.
2. In iTunes, select Movies in the Library list and select the video you want to sync.
3. Choose Advanced > "Create iPod or iPhone Version."

For more information, go to support.apple.com/kb/HT1211.

Viewing Photos and Videos

Photos and videos synced from your computer can be viewed in Photos. If you sync photos with iPhoto 8.0 (part of iLife '09) or later, you can view your photos and videos by the events and faces you've identified. You can also see the places where your photos and videos were taken if they're tagged with location data.

You can also view the photos and videos you take with iPhone or save from an email or MMS message.

View photos and videos:

1. In Photos, tap a photo album. Tap the buttons at the bottom of the screen to view your photos and videos by albums, events, faces, or places if available.

   If you tap Places, a map shows each location that you've tagged photos from. Tap a pin, then tap to see your photos and videos from that location.
2. Tap a thumbnail to see the photo or video in full screen.

   Show or hide the controls: Tap the full-screen photo or video to show the controls. Tap again to hide the controls.

Play a video: Tap ▶ in the center of the screen.

To replay a video, tap ▶ at the bottom of the screen. If you don't see ▶, tap the screen to show the controls.

View a photo or video in landscape orientation: Rotate iPhone sideways. The photo or video rotates automatically and, if it's in widescreen format, expands to fit the screen.

Zoom in on part of a photo: Double-tap where you want to zoom in. Double-tap again to zoom out. You can also pinch to zoom in or out.

View video in full screen, or fit video to screen: Double tap the screen to scale the video to fill the screen. Double-tap again to fit the video to the screen.

Pan around a photo: Drag the photo.

See the next or previous photo or video: Flick left or right. Or tap the screen to show the controls, then tap ➡ or ⬅.

Deleting Photos and Videos

You can delete photos and videos from Camera Roll on iPhone.

Delete photos and videos:

1. Tap in the upper-right corner of the screen.
2. Tap to select the photos and videos you want to delete.

   The Delete button indicates the number of items you select.
3. Tap Delete.

Slideshows

You can view a photo album as a slideshow, complete with background music.

View a photo album as a slideshow: Tap an album, then tap ▶.

Videos play automatically when they appear during the slideshow.

Stop a slideshow: Tap the screen.

Set slideshow settings: In Settings, choose Photos and set the following options:

- *To set the length of time each slide is shown,* tap Play Each Slide For and choose a time.
- *To set transition effects when moving from photo to photo,* tap Transition and choose a transition type.
- *To set whether slideshows repeat,* turn Repeat on or off.
- *To set whether photos and videos are shown in random order,* turn Shuffle on or off.

Play music during a slideshow: In iPod, play a song, then choose Photos from the Home screen and start a slideshow.

Sharing Photos and Videos

You can send photos and videos in email and MMS messages, add photos and videos to MobileMe galleries, and publish videos to YouTube. You can also copy and paste photos and videos, save photos and videos from email messages to Photos, and save images from webpages to Photos.

Sending a Photo or Video in an Email or MMS Message

Send a photo or video (iPhone 3GS or later) in an email:

1. Choose a photo or video and tap . If you don't see , tap the screen to show the controls.
2. Tap Email Photo/Video.

   The photo appears in a new mail message window.
3. Compose your message, then tap Send.

4 If sending a photo, you may be asked if you want to reduce the message size by scaling the image. Tap the size you want to use.

Send multiple photos or videos at the same time: When viewing thumbnails in an album, tap , then tap to select the photos or videos you want to send, tap Share, and tap Email.

Send a photo or video via MMS: Choose a photo or video and tap , then tap MMS.

The size limit of attachments is determined by your carrier. If necessary, iPhone may compress the photo or video. To learn about taking photos and videos, see Chapter 12, "Camera," on page 119.

Copying and Pasting Photos and Videos

You can copy a photo or video from Photos and paste it to an email or MMS message. Some third-party applications may also support copying and pasting photos and videos.

Copy a photo or video: Hold your finger on the screen until the Copy button appears, then tap Copy.

Copy multiple photos or videos:

1 Tap in the upper-right corner of the screen.

2 Tap to select the photos and videos you want to copy.

The Copy button indicates the number of items you select.

3 Tap Copy.

Paste a photo or video: Tap to place the insertion point where you want to place the photo or video, then tap the insertion point and tap Paste.

Adding a Photo or Video to a MobileMe Gallery

If you have a MobileMe account, you can add photos and videos directly from iPhone to a gallery you've created. You can also add photos and videos to someone else's MobileMe gallery if that person has enabled email contributions.

Before you can add photos or videos to a gallery in your MobileMe account, you must:

- Set up your MobileMe account on iPhone
- Publish a MobileMe gallery, and allow adding photos via email or iPhone

For more information about creating a gallery and adding photos and videos to it, see MobileMe Help.

Add a photo or video to your gallery: Choose a photo or video and tap , then tap "Send to MobileMe." Enter a title and description, if you like, then select the album to add the photo or video to and tap Publish.

If you don't see , tap the screen to show the controls.

iPhone tells you when the photo or video has been published, and gives you options to view it on MobileMe or email a link to a friend.

Adding a photo or video to someone else's gallery: Choose a photo or video and tap , then tap "Email Photo/Video." Enter the album's email address, then click Send.

Publishing Videos to YouTube

If you have a YouTube account, you can publish videos directly from iPhone 3GS or later to YouTube. You can't publish videos that are longer than ten minutes.

Publish a video to YouTube:

1. While viewing a video, tap , then tap "Send to YouTube."
2. Sign in to your YouTube account.
3. Enter publishing information such as Title, Description, and Tags.
4. Tap Category to choose a category.
5. Tap Publish.

Saving Photos and Videos from Email Messages, MMS Messages, and Webpages

Save a photo from an email message to your Camera Roll album: Tap the photo, then tap Save Image. If the photo hasn't been downloaded yet, tap the download notice first.

Save a video from an email message to your Camera Roll album: Touch and hold the attachment, then tap Save Video. If the video hasn't been downloaded yet, tap the download notice first.

Save a photo from a webpage to your Camera Roll album: Touch and hold the photo, then tap Save Image.

Save a photo or video from an MMS message to your Camera Roll album: Tap the image in the conversation, tap , and tap Save Image or Save Video.

If you don't see , tap the screen to show the controls.

You can download the photos and videos in your Camera Roll album to your computer's photo application by connecting iPhone to your computer.

Assigning a Photo to a Contact

You can assign a photo to a contact. When that person calls, iPhone displays the photo.

Assign a photo to a contact:

1. Choose Camera from the Home screen and take someone's picture. Or choose any photo already on iPhone and tap .
2. Tap "Assign to Contact" and choose a contact.
3. Position and size the photo until it looks the way you want.

   Drag the photo to pan, and pinch to zoom in or out.
4. Tap Set Photo.

You can also assign a photo to a contact in Contacts by tapping Edit and then tapping "Add Photo."

Wallpaper

You can set a photo as wallpaper for the Lock screen. On iPhone 3GS or later, you can also set wallpaper for your Home screen. The Lock screen wallpaper also appears when you're on a call with someone you don't have a contact photo for.

Set a photo as wallpaper (iPhone 3GS or later):

1. Choose any photo and tap , then tap Use As Wallpaper.
2. Drag the photo to position it and pinch to zoom in or out, until it looks the way you want.
3. Tap Set, then choose whether you want to use the photo as wallpaper for your Lock Screen, Home screen, or both.

   You can also choose from several wallpaper pictures included with iPhone by choosing Settings > Wallpaper from the Home screen. See "Adding Wallpaper" on page 35.

Set a photo as wallpaper (iPhone 3G):

1. Choose any photo and tap , then tap Use As Wallpaper.
2. Drag the photo to position it and pinch to zoom in or out, until it looks the way you want.
3. Tap Set Wallpaper.

   You can also choose from several wallpaper pictures included with iPhone by choosing Settings > Wallpaper from the Home screen.

Camera

12

About Camera

With iPhone, you have a great still camera and video camera wherever you go. iPhone 4 has a five-megapixel main camera that takes high-resolution photos and high-definition video, an LED flash for photos and videos taken with the main camera, and a front (VGA) camera that lets you make FaceTime video calls and take photos and record videos of yourself.

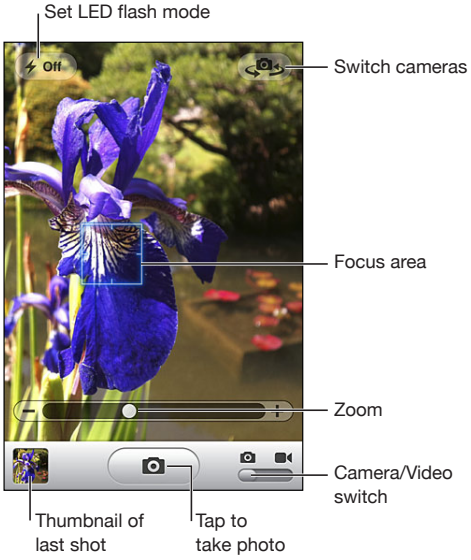
The main camera is on the back of iPhone and you use the screen for camera controls and to see the photo or video you're taking. Tap-to-focus lets you tap anywhere on the screen to focus on a specific object or area of your shot and automatically adjust the exposure. The macro autofocus feature (about 10 cm) and a 5x digital zoom let you take great close-ups. (The video and tap-to-focus features are available only on iPhone 3GS or later.)

If location services is turned on, photos and videos are tagged with location data (iPhone 3GS or later)—including your current geographical coordinates provided by GPS, Wi-FI, or cell-tower information. You can use location data with some applications and photo-sharing websites to track and post where you took the photos.

Note: If location services is turned off when you open Camera, you may be asked to turn it on. If you don't want to include location data with your photos and videos, you can use Camera without turning on location services. See "Location Services" on page 162.

Taking Photos and Recording Videos

Taking photos and recording videos with iPhone is as easy as point and tap.



Take a photo: Aim iPhone and tap .

Make sure the Camera/Video switch is set to .

When you take a photo or start a video recording, iPhone makes a shutter sound. The sound isn't played if you've set the Ring/Silent switch to silent. See "Sounds and the Ring/Silent Switch" on page 159.

Note: In some regions, the sound effects for Camera are played even if the Ring/Silent switch is set to silent.

Record a video: Slide the Camera/Video switch to , then tap to start recording. The record button blinks while Camera is recording. Tap again to stop recording. You can also press the center button on the iPhone earphones (or the equivalent button on your Bluetooth headset) to start or stop recording.

A rectangle on the screen shows the area where Camera is focused.

Change the focus area and set exposure: Tap where you want to focus. Camera adjusts the exposure for the selected area of the image. Tapping to focus also displays the zoom control at the bottom of the screen (camera mode only).

Zoom in or out (camera mode only): Tap the screen, then use the slider at the bottom of the screen to zoom in or out.

Set LED flash mode: Tap the flash button in the upper-left corner of the screen, then tap Off, Auto, or On.

Switch between the main and front cameras: Tap in the upper-right corner of the screen.

Review a photo or video you've just taken: Tap the thumbnail of your last shot, in the lower-left corner of the screen.

Use the left and right arrows at the bottom of the screen to review other photos and videos in the Camera Roll, or just flick left or right. Tap Done to return to camera or video mode. If you don't see the controls, tap the screen to display them.

Delete a photo or video: Tap . If you don't see , tap the screen to display the controls.

Take a screenshot: Quickly press and release the On/Off Sleep/Wake and Home buttons at the same time. A flash of the screen lets you know the screenshot was taken. The screenshot is added to the Camera Roll album.

Viewing and Sharing Photos and Videos

The photos and videos you take with Camera are saved in the Camera Roll album on iPhone. You can view the Camera Roll album from either Camera or Photos.

View photos and videos in the Camera Roll album: In Camera, tap the thumbnail image in the lower-left corner of the screen. In Photos, tap the Camera Roll album. Tap the left or right button, or flick left or right to flip through the photos and videos.

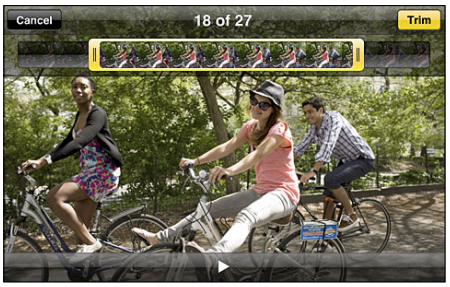
When viewing a photo or video in the Camera Roll album, tap the screen to display the controls.

For more information about viewing and sharing photos and videos, see:

- "Viewing Photos and Videos" on page 113
- "Sharing Photos and Videos" on page 115

Trimming Videos

You can trim the frames from the beginning and end of a video that you just recorded, or any other video in the Camera Roll album. You can replace the original video or save the trimmed version as a new video clip.



Trim a video:

1. While viewing a video, tap the screen to display the controls.
2. Drag either end of the frame viewer at the top of the video, then tap Trim.
3. Tap Trim Original or "Save as New Clip."

Important: If you choose Trim Original, the trimmed frames are permanently deleted from the original video.

If you choose "Save as New Clip," a new (trimmed) video clip is saved in the Camera Roll album. The original video is unaffected.

Uploading Photos and Videos to Your Computer

You can upload the photos and videos you take with Camera to photo applications on your computer, such as iPhoto on a Mac.

Upload photos and videos to your computer: Connect iPhone to your computer.

- *Mac:* Select the photos and videos you want and click the Import or Download button in iPhoto or other supported photo application on your computer.
- *PC:* Follow the instructions that came with your photo application.

If you delete the photos and videos from iPhone when you upload them to your computer, they're removed from the Camera Roll album. You can use the iTunes Photos settings pane to sync photos and videos (videos can be sync with Macs only) to the Photos application on iPhone. See "iPhone Settings Panes in iTunes" on page 55.

YouTube

13

Finding and Viewing Videos

YouTube features short videos submitted by people from around the world. To use some features on iPhone, you need to sign in to a YouTube account when asked. For information about requirements and how to get a YouTube account, go to www.youtube.com.

Note: YouTube may not be available in all languages and locations.

Browse videos: Tap Featured, Most Viewed, or Favorites. Or tap More to browse by Most Recent, Top Rated, History, Subscriptions, or Playlists.

- *Featured:* Videos reviewed and featured by YouTube staff.
- *Most Viewed:* Videos most seen by YouTube viewers. Tap All for all-time most viewed videos, or Today or This Week for most-viewed videos of the day or week.
- *Favorites:* Videos you've added to Favorites. When you sign in to a YouTube account, account favorites appear and any existing favorites can be synced to your account.
- *Most Recent:* Videos most recently submitted to YouTube.
- *Top Rated:* Videos most highly rated by YouTube viewers. To rate videos, go to www.youtube.com.
- *History:* Videos you've viewed most recently.
- *Subscriptions:* Videos from YouTube accounts to which you've subscribed. You must be signed in to a YouTube account to use this feature.
- *Playlists:* Videos you've added to playlists. You must be signed in to a YouTube account to use this feature.

Search for a video:

1. Tap Search, then tap the YouTube search field.
2. Type a word or phrase that describes what you're looking for, then tap Search.

YouTube shows results based on video titles, descriptions, tags, and user names. Listed videos show title, rating, number of views, length, and the account name that posted the video.

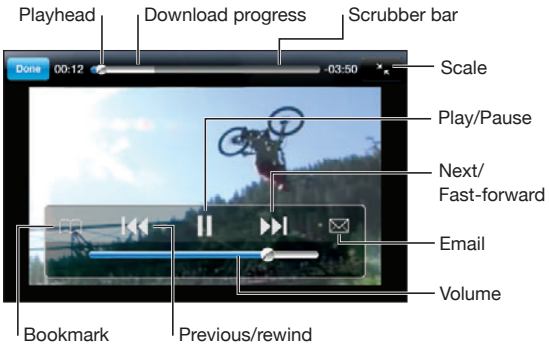
Play a video: Tap the video.

The video begins to download to iPhone and a progress bar appears. When enough of the video has downloaded, it begins to play. You can also tap ▶ to start the video.

Controlling Video Playback

When a video starts playing, the controls disappear so they don't obscure the video.

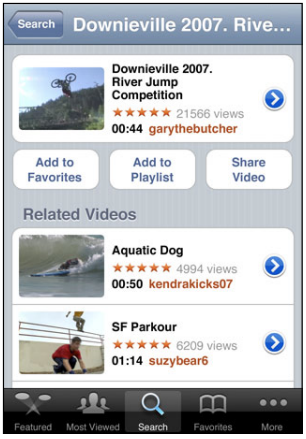
Show or hide the video controls: Tap the screen.



Play or pause a video	Tap ▶ or ❚❚. You can also press the center button on the iPhone earphones (or the equivalent button on a Bluetooth headset).
Adjust the volume	Drag the volume slider, or use the volume buttons on the side of iPhone. You can also use the volume buttons on the iPhone earphones (iPhone 3GS or later).
Start a video over	Tap ⏮.
Skip to the next or previous video in a list	Tap ⏮ twice to skip to the previous video. Tap ⏭ to skip to the next video.
Rewind or fast-forward	Touch and hold ⏮ or ⏭.
Skip to any point in a video	Drag the playhead along the scrubber bar.
Stop watching a video before it finishes playing	Tap Done, or press the Home ▢ button.
Switch between scaling a video to fill the screen or fit to the screen	Double-tap the video. You can also tap ⤡ to make the video fill the screen, or tap ⤢ to make it fit the screen.
Add a video to Favorites using video controls	Start playing a video and tap 🕮.
Email a link to the video using video controls	Start playing a video and tap ✉.

Managing Videos

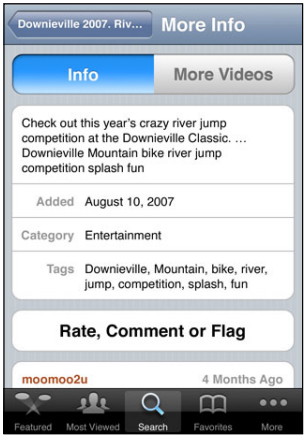
Tap next to a video to see related videos and more controls for managing videos.



Add the video to Favorites	Tap "Add to Favorites."
Add the video to a playlist	Tap "Add to Playlist," then select an existing playlist or tap + to create a new playlist.
Email a link to the video	Tap Share Video.
Browse and view related videos	Tap a video in the list of related videos to view, or tap next to a video for more information.

Getting More Information

Tap next to the video to show the video's comments, description, date added, and other information.



Rate the video or add a comment	On the More Info screen, tap "Rate, Comment, or Flag," then choose "Rate or Comment." You must be signed in to a YouTube account to use this feature.
See more videos from this account	On the More Info screen, tap More Videos.
Subscribe to this YouTube account	On the More Info screen, tap More Videos, then tap "Subscribe to <*account*>" at the bottom of the video list. You must be signed in to a YouTube account to use this feature.

Using YouTube Account Features

If you have a YouTube account, you can access account features such as subscriptions, comments and ratings, and playlists. To create a YouTube account, go to www.youtube.com.

Show favorites you've added to your account: In Favorites, tap Sign In, then enter your username and password to see your account favorites. Any existing favorites you've added to iPhone can be merged with your account favorites when you sign in.

Delete a favorite: In Favorites, tap Edit, tap ⊖ next to a video, then tap Delete.

Show subscriptions you've added to your account: In Subscriptions, tap Sign In, then enter your username and password to see your account subscriptions. Tap an account in the list to see all videos for that account.

Unsubscribe from a YouTube account: In Subscriptions, tap an account in the list, then tap Unsubscribe.

View playlists: In Playlists, tap a playlist to see the list of videos you've added. Tap any video in the playlist to begin playing videos from that point in the playlist.

Edit a playlist: In Playlists, tap Edit, then do one of the following:

- *To delete the entire playlist,* tap ⊖ next to a playlist, then tap Delete.
- *To create a new playlist,* tap +, then enter a name for the playlist.

Add a video to a playlist: Tap ⊕ next to a video, then tap "Add to Playlist" and choose a playlist.

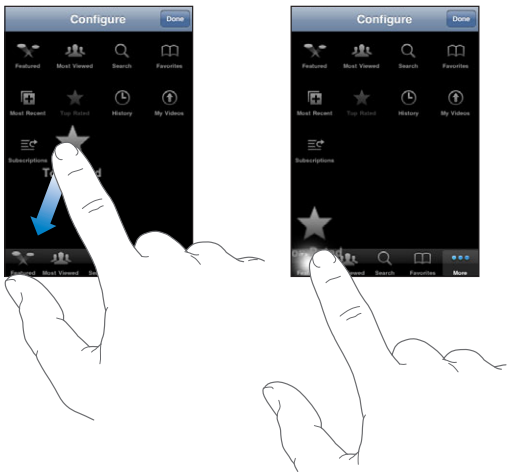
Delete a video from a playlist:

1. In Playlists, tap a playlist, then tap Edit.
2. Tap ⊖ next to a playlist, then tap Delete.

Changing the Browse Buttons

You can replace the Featured, Most Viewed, Bookmarks, and Search buttons at the bottom of the screen with ones you use more frequently. For example, if you watch top-rated videos often but don't watch many featured videos, you could replace the Featured button with Top Rated.

Change the browse buttons: Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. When you finish, tap Done.

When you're browsing for videos, tap More to access the browse buttons that aren't visible.

Sending Videos to YouTube

If you have a YouTube account, you can send videos directly to YouTube (iPhone 3GS or later). See "Publishing Videos to YouTube" on page 117.

Stocks

14

Viewing Stock Quotes

Stocks lets you see the latest available quotes for your selected stocks, funds, and indexes.

Quotes are updated every time you open Stocks when connected to the Internet. Quotes may be delayed by up to 20 minutes or more depending upon the reporting service.

Add a stock, fund, or index to the stock reader:

1. Tap ⓘ, then tap +.
2. Enter a symbol, company name, fund name, or index, then tap Search.
3. Select an item from the search results and tap Done.

View charts in landscape orientation: Rotate iPhone sideways. Flick left or right to view the other charts in your stock reader.

Show the progress of a stock, fund, or index over time: Tap the stock, fund, or index in your list, then tap 1d, 1w, 1m, 3m, 6m, 1y, or 2y. The chart adjusts to show progress over one day, one week, one month, three months, six months, one year, or two years.

When you view a chart in landscape orientation, you can touch the chart to display the value for a specific point in time.

Use two fingers to see the change in value over a specific period of time.

Delete a stock: Tap ⓘ and tap ⊖ next to a stock, then tap Delete.

Change the order of the list: Tap ⓘ. Then drag ☰ next to a stock or index to a new place in the list.

Switch the view to percentage change, price change, or market capitalization: Tap any of the values along the right side of the screen. Tap again to switch to another view. Or tap ⓘ and tap %, Price, or Mkt Cap, then tap Done.

Getting More Information

See the summary, chart, or news page about a stock, fund, or index: Select the stock, fund, or index in your list, then flick the pages underneath the stock reader to view the summary, chart, or recent news page.

On the news page, you can scroll up and down to read headlines, or tap a headline to view the article in Safari.

See more information at Yahoo.com: Select the stock, fund, or index in your list, then tap Y!.

Maps

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WARNING: For important information about driving and navigating safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Maps provides street maps, satellite photos, a hybrid view, and street views of locations in many of the world's countries and regions. You can get traffic information and detailed driving, public transit, or walking directions. Find and track your current (approximate) location, and use your current location to get driving directions to or from another place. The built-in digital compass lets you see which way you're facing. (iPhone 3GS or later).

Important: Maps, directions, and location-based applications depend on data services. These data services are subject to change and may not be available in all geographic areas, resulting in maps, directions, or location-based information that may be unavailable, inaccurate, or incomplete. Compare the information provided on iPhone to your surroundings and defer to posted signs to resolve any discrepancies.

If location services is turned off when you open Maps, you may be asked to turn it on. You can use Maps without turning on location services. See "Location Services" on page 162.

Finding and Viewing Locations

You can search for locations, get your current location, mark a location with the drop pin, and get satellite and Google Street Views.

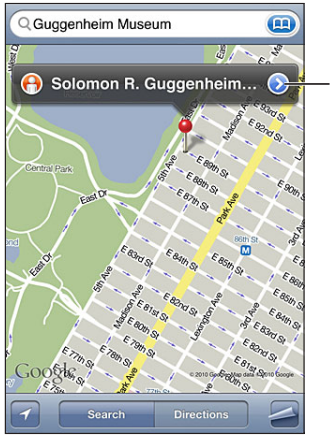
Searching for Locations

You can search for locations in many ways—by address, intersection, area, landmark, bookmark, contact, or zip code, for example.

Find a location and see a map:

1. Tap the search field to bring up the keyboard.
2. Type an address or other search information.
3. Tap Search.

A pin marks the location. Tap the pin to see the name or description of the location.



Tap to get information about the location, get directions, add the location to your bookmarks or contacts list, or email a link to Google Maps.

Locations can include places of interest added by Google My Maps users ("User-created content"), and sponsored links that appear as special icons (for example,).

Zoom in to a part of a map	Pinch the map with two fingers. Or double-tap the part you want to zoom in on. Double-tap again to zoom in even closer.
Zoom out	Pinch the map. Or tap the map with two fingers. Tap with two fingers again to zoom out further.
Pan or scroll to another part of the map	Drag up, down, left, or right.

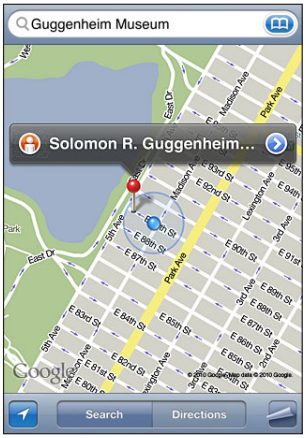
See the location of someone's address in your contacts list: Tap in the search field, then tap Contacts and choose a contact.

To locate an address in this way, the contact must include at least one address. If the contact has more than one address, choose the one you want to locate. You can also find the location of an address by tapping the address directly in Contacts.

Finding Your Current Location

A quick tap finds your current (approximate) location.

Find your current location and turn tracking mode on: Tap .



Your current location is indicated by a blue marker. If your location can't be determined precisely, a blue circle also appears around the marker. The size of the circle depends on how precisely your location can be determined—the smaller the circle, the greater the precision.

As you move around, iPhone updates your location, adjusting the map so that the location indicator remains in the center of the screen. If you tap again until it is no longer highlighted, or if you drag the map, iPhone continues to update your location but stops centering it, so the location information may move off the screen.

iPhone uses location services to determine your location. Location services uses available information from cellular network data, local Wi-Fi networks (if you have Wi-Fi turned on), and GPS (may not be available in all locations). Location services may not be available in all countries or regions.

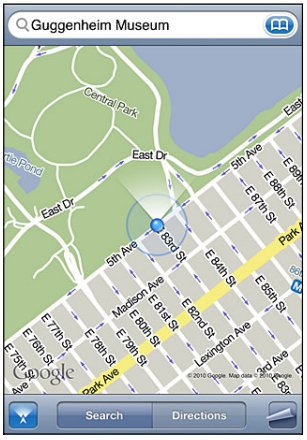
If location services is turned off, you'll be prompted to turn it on. You can't find and track your current location if location services is turned off. See "Location Services" on page 162.

To conserve battery life, turn location services off when you're not using it. In Settings, choose General > Location Services.

Get information about your current location: Tap the blue marker, then tap . iPhone displays the address of your current location, if available. You can use this information to:

- Get directions
- Add the location to contacts
- Send the address via email or MMS
- Bookmark the location

Show which way you're facing (iPhone 3GS or later): Tap again. (The icon changes to .) Maps uses the built-in compass to determine which way you're facing. The angle shows the accuracy of the compass reading—the smaller the angle, the greater the accuracy.



Maps uses true north to determine your heading, even if you have magnetic north set in Compass. If the compass needs calibrating, iPhone asks you to wave the phone in a figure eight. If there's interference, you may be asked to move from the source of interference. See Chapter 24, "Compass," on page 194.

Marking a Location with the Drop Pin

The drop pin lets you mark a location by hand.

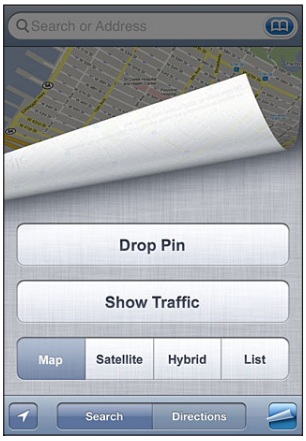
Mark a location: Touch and hold the location on the map.

The drop pin appears where you're touching the map.

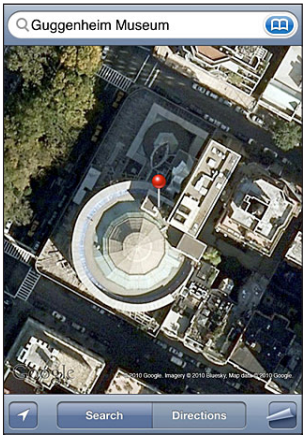
Move the drop pin: Touch and hold, then drag the pin to a new location, or touch and hold a new location until a new pin drops, replacing the previous one.

Satellite and Street Views

You can see a satellite view of a map, or a combined satellite and street map view. You can also see a Google Street View of a location.



See a satellite or hybrid view: Tap , then tap Satellite or Hybrid to see just a satellite view or a combined street map and satellite view.



To return to map view, tap Map.

See the Google Street View of a location: Tap . Flick left or right to pan through the 360° panoramic view. (The inset shows your current view.) Tap an arrow to move down the street. To return to map view, tap the map inset in the lower-right corner.

Street View may not be available in all areas.

Getting Directions

You can get step-by-step directions for driving, taking public transit, or walking to a destination.

Get directions:

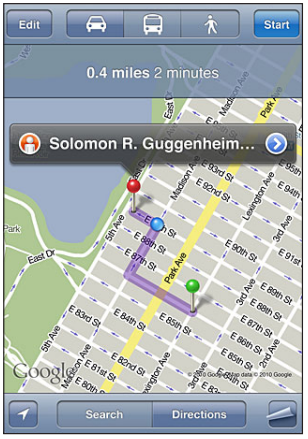
1. Tap Directions.
2. Enter starting and ending locations in the Start and End fields. By default, iPhone starts with your current approximate location (if available). Tap in either field to choose a location in Bookmarks (including your current location and the dropped pin, if available), Recents, or Contacts. If isn't showing, delete the contents of the field.

   For example, if a friend's address is in your contacts list, you can tap Contacts and tap your friend's name instead of having to type the address.

   To reverse the directions, tap .
3. Tap Route (if you entered locations manually), then select directions by car (), directions by public transit (), or directions by walking ().

   The travel options available depend on the route.
4. Do one of the following:

- *To view all the directions in a list,* tap , then tap List. Tap any item in the list to see a map showing that leg of the trip. Tap Route Overview to return to the overview screen.



- *To view directions one step at a time,* tap Start, then tap ➡ to see the next leg of the trip. Tap ⬅ to go back.

If you're driving or walking, the approximate distance and travel time appear at the top of the screen. If traffic data is available, the driving time is adjusted accordingly.

If you're taking public transit, the overview screen shows each leg of the trip and the mode of transportation, including where you need to walk. The top of the screen shows the time of the bus or train at the first stop, the estimated arrival time, and the total fare. Tap to set your departure or arrival time, and to choose a schedule for the trip. Tap the icon at a stop to see the departure time for that bus or train, and to get a link to the transit provider's website or contact info. When you tap Start and step through the route, detailed information about each leg of the trip appears at the top of the screen.

You can also get directions by finding a location on the map, tapping the pin that points to it, tapping , then tapping Directions To Here or Directions From Here.

Switch start and end points, for reverse directions: Tap .

If you don't see , tap Edit.

See recently viewed directions: Tap in the search field, then tap Recents.

Showing Traffic Conditions

When available, you can show traffic conditions for major streets and highways on the map.

Show or hide traffic conditions: Tap , then tap Show Traffic or Hide Traffic.

Streets and highways are color-coded to indicate the flow of traffic:

If you don't see traffic, you may need to zoom out to a level where you can see major roads. Traffic conditions are not available in all areas.

Finding and Contacting Businesses

Find businesses in an area:

1. Find a location—for example, a city and state or country, or a street address—or scroll to a location on a map.
2. Type the kind of business in the text field and tap Search.

Pins appear for matching locations in the area. For example, if you locate your city and then type "movies" and tap Search, pins mark movie theaters in your city.

Tap the pin that marks a business to see its name or description.

Find businesses without finding the location first: Type things like:

- restaurants san francisco ca
- apple inc new york

Contact a business or get directions: Tap the pin that marks a business, then tap next to the name.

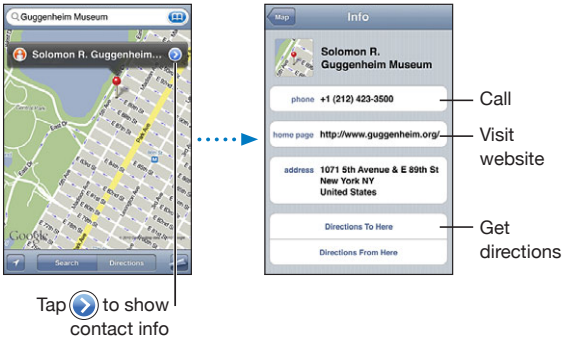
From there, you can do the following:

- Tap a phone number to call, an email address to send email to, or a web address to visit.
- For directions, tap Directions To Here or Directions From Here.

- To add the business to your contacts list, tap "Add to Contacts" at the bottom of the screen, then tap "Create New Contact" or "Add to Existing Contact."
- Share the location of the business by email or text message.

See a list of the businesses found in the search: From the Map screen, tap List.

Tap a business to see its location. Or tap next to a business to see its information.



Sharing Location Information

You can add a location you've found to your contacts list. You can also send links to a Google Maps location using email or MMS.

Add a location to your contacts list: Find a location, tap the pin that points to it, tap next to the name or description, then tap "Add to Contacts" at the bottom of the screen and tap "Create New Contact" or "Add to Existing Contact."

Email a link to a Google Maps location: Find a location, tap the pin that points to it, tap next to the name or description, then tap Share Location at the bottom of the screen and tap Email.

Send a link via MMS to a Google Maps location: Find a location, tap the pin that points to it, tap next to the name or description, then tap Share Location at the bottom of the screen and tap MMS.

Bookmarking Locations

You can bookmark locations that you want to find again later.

Bookmark a location: Find a location, tap the pin that points to it, tap next to the name or description, then tap "Add to Bookmarks" at the bottom of the Info screen.

See a bookmarked location or recently viewed location: Tap in the search field, then tap Bookmarks or Recents.

Weather

16

Viewing Weather Summaries

Tap Weather from the Home screen to get the current temperature and six-day forecast for one or more cities around the world.

If the weather board is light blue, it's daytime in that city—between 6:00 a.m. and 6:00 p.m. If the board is dark purple, it's nighttime—between 6:00 p.m. and 6:00 a.m.

Add a city:

1. Tap ⓘ, then tap +.
2. Enter a city name or zip code, then tap Search.
3. Choose a city in the search list.

Switch to another city: Flick left or right, or tap to the left or right of the row of dots. The number of dots below the weather board shows how many cities are stored.

Reorder cities: Tap ⓘ, then drag ☰ next to a city to a new place in the list.

Delete a city: Tap ⓘ and tap ⊖ next to a city, then tap Delete.

Display the temperature in Fahrenheit or Celsius: Tap ⓘ, then tap °F or °C.

Getting More Weather Information

You can see a more detailed weather report, news and websites related to the city, and more.

See information about a city at Yahoo.com: Tap Y!.

Voice Memos

17

Recording Voice Memos

Voice Memos lets you use iPhone as a portable recording device using the built-in microphone, iPhone or Bluetooth headset mic, or supported external microphone.

Note: External microphones must be designed to work with the iPhone headset jack or Dock Connector. These include Apple-branded earbuds and authorized third-party accessories marked with the Apple "Made for iPhone" or "Works with iPhone" logo.

You can adjust the recording level by moving the microphone closer to or further away from what you're recording. For better recording quality, the loudest level on the level meter should be between –3dB and 0 dB.

Record a voice memo:

1. Tap ● to start recording. You can also press the center button on the iPhone earphones (or the equivalent button on your Bluetooth headset).
2. Tap ❚❚ to pause or ■ to stop recording. You can also press the center button on the iPhone earphones (or the equivalent button on your Bluetooth headset).

Recordings using the built-in microphone are mono, but you can record stereo using an external stereo microphone.

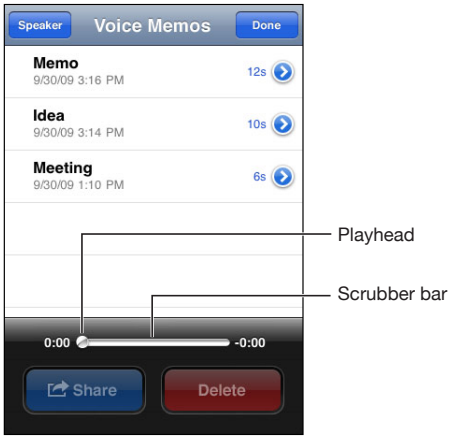
When you start a voice recording, iPhone makes a short ringing sound. The sound isn't played if you've set the Ring/Silent switch to silent. See "Sounds and the Ring/Silent Switch" on page 159.

Note: In some countries or regions, the sound effects for Voice Memos are played even if the Ring/Silent switch is set to silent.

To use other applications while recording your voice memo, you can lock iPhone or press the Home ▢ button.

Play a voice memo you just recorded: Tap ▶.

Listening to Voice Memos



Play a voice memo you've previously recorded:

1. Tap ☰.

   Memos are listed in chronological order, with the most recent memo first.
2. Tap a memo, then tap ▶.

   Tap ❚❚ to pause, then tap ▶ again to resume playback.

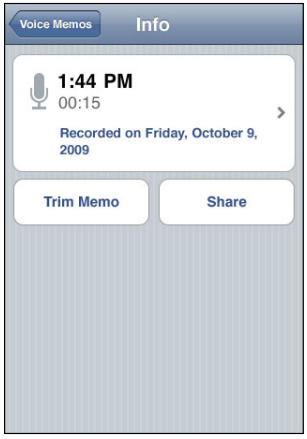
Skip to any point in a voice memo: Drag the playhead along the scrubber bar.

Listen through the built-in speaker: Tap Speaker.

Managing Voice Memos

Delete a voice memo: Tap a memo in the list, then tap Delete.

See more information: Tap next to the memo. The Info screen displays information about the length, recording time and date, and provides additional editing and sharing functions.



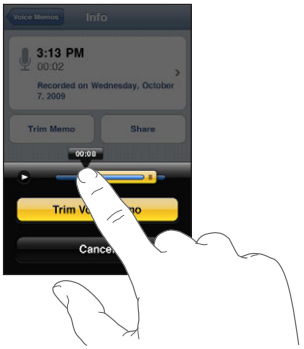
Add a label to a voice memo: On the Info screen tap ›, then select a label in the list on the Label screen. To create a custom label, choose Custom at the bottom of the list, then type a name for the label.

Trimming Voice Memos

You can trim the beginning or ending of a voice memo to eliminate unwanted pauses or noise.

Trim a voice memo:

1. On the Voice Memos screen, tap next to the memo you want to trim.
2. Tap Trim Memo.
3. Using the time markers as a guide, drag the edges of the audio region to adjust the beginning and end of the voice memo. To preview your edit, tap ▶.



4. Tap Trim Voice Memo.

Important: Edits you make to voice memos can't be undone.

Sharing Voice Memos

You can share your voice memos as attachments in email or MMS messages.

Share a voice memo:

1. Select a voice memo in the Voice Memos screen, then tap Share.

   You can also tap Share from the Info screen of a voice memo.
2. Choose Email to open a new message in Mail with the memo attached, or choose MMS to open a new message in Messages.

   A message appears if the file you're trying to send is too large.

Syncing Voice Memos

iTunes syncs voice memos to your iTunes library when you connect iPhone to your computer. This lets you listen to voice memos on your computer and provides a backup if you delete them from iPhone.

Voice memos are synced to the Voice Memos playlist. iTunes creates the playlist if it doesn't exist. When you sync voice memos to iTunes, they remain in the Voice Memos application until you delete them. If you delete a voice memo on iPhone, it isn't deleted from the Voice Memos playlist in iTunes. However, if you delete a voice memo from iTunes, it *is* deleted from iPhone the next time you sync with iTunes.

You can sync the iTunes Voice Memos playlist to the iPod application on iPhone using the Music pane in iTunes.

Sync the Voice Memos playlist to iPhone:

1. Connect iPhone to your computer.
2. In iTunes, select iPhone in the sidebar.
3. Select the Music tab.
4. Select the "Include voice memos" checkbox and click Apply.

Notes

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About Notes

You can create notes on iPhone and sync notes with supported applications on your computer and online accounts. You can search for text in a list of notes.

Syncing Notes

You can sync Notes in either of the following ways:

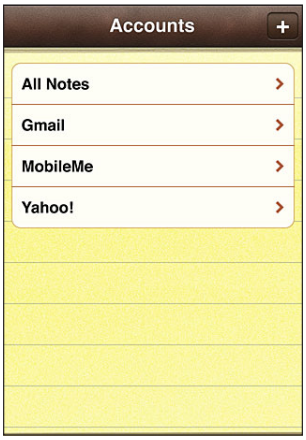
- In iTunes, use the iPhone settings panes to sync with Mail on a Mac or with Microsoft Outlook 2003, 2007, or 2010 on a PC when you connect iPhone to your computer. See "iPhone Settings Panes in iTunes" on page 55.
- In Settings, turn on Notes in MobileMe, Google, Yahoo!, AOL, or other IMAP account to sync your notes over the air with those accounts. See "Adding Mail, Contacts, and Calendar Accounts" on page 25.

Writing and Reading Notes

When you sync Notes with an application on your computer or with online accounts, the Accounts screen shows each those accounts, plus a button to display all notes in a single list.

See all notes: Tap All Notes.

See notes for a specific account: Tap the account name.



Notes are listed in the order of the last modified date, with the most recently modified note at the top. You can see the first few words of each note in the list. Rotate iPhone to view notes in landscape orientation and type using a larger keyboard.

Add a note: Tap +, then type your note and tap Done.

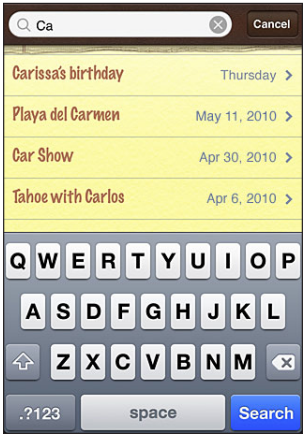
Read a note: Tap the note. Tap ➡ or ⬅ to see the next or previous note.

Edit a note: Tap anywhere on the note to bring up the keyboard.

Delete a note: Tap the note, then tap 🗑.

Searching Notes

You can search the text of notes.



Search for notes:

1. Tap the status bar to scroll to the search field at the top of the note list.
2. Enter text in the search field.

   Search results appear as you type. Tap Search to dismiss the keyboard and see more of the results.

   Notes are included in searches from the Home screen. See "Searching" on page 44.

Emailing Notes

Email a note: Tap the note, then tap ✉.

To email a note, iPhone must be set up for email. See "Setting Up Email Accounts" on page 73.

Clock

19

World Clocks

You can add clocks to show the time in other major cities and time zones around the world.

View clocks: Tap World Clock.

If the clock face is white, it's daytime in that city. If the clock face is black, it's nighttime. If you have more than four clocks, flick to scroll through them.

Add a clock:

1. Tap World Clock.
2. Tap +, then type the name of a city.

   Cities matching what you've typed appear below.
3. Tap a city to add a clock for that city.

If you don't see the city you're looking for, try a major city in the same time zone.

Delete a clock: Tap World Clock and tap Edit. Then tap ⊖ next to a clock and tap Delete.

Rearrange clocks: Tap World Clock and tap Edit. Then drag ☰ next to a clock to a new place in the list.

Alarms

You can set multiple alarms. Set each alarm to repeat on days you specify, or to sound only once.

Set an alarm:

1. Tap Alarm and tap +.
2. Adjust any of the following settings:
   - *To set the alarm to repeat on certain days,* tap Repeat and choose the days.
   - *To choose the ringtone that sounds when the alarm goes off,* tap Sound.
   - *To set whether the alarm gives you the option to hit snooze,* turn Snooze on or off. If Snooze is on and you tap Snooze when the alarm sounds, the alarm stops and then sounds again in ten minutes.
   - *To give the alarm a description,* tap Label. iPhone displays the label when the alarm sounds.

If at least one alarm is set and turned on, appears in the iPhone status bar at the top of the screen.

Important: Some carriers don't support network time in all locations. If you're traveling, iPhone alerts may not sound at the correct local time. See "Date and Time" on page 166.

Turn an alarm on or off: Tap Alarm and turn any alarm on or off. If an alarm is turned off, it won't sound again unless you turn it back on.

If an alarm is set to sound only once, it turns off automatically after it sounds. You can turn it on again to reenable it.

Change settings for an alarm: Tap Alarm and tap Edit, then tap next to the alarm you want to change.

Delete an alarm: Tap Alarm and tap Edit, then tap next to the alarm and tap Delete.

Stopwatch

Use the stopwatch to time an event:

1. Tap Stopwatch.
2. Tap Start to start the stopwatch.
   - *To record lap times,* tap Lap after each lap.
   - *To pause the stopwatch,* tap Stop. Tap Start to resume.
   - *To reset the stopwatch,* tap Reset when the stopwatch is pause.

If you start the stopwatch and go to another iPhone application, the stopwatch keeps running.

Timer

Set the timer: Tap Timer, then flick to set the number of hours and minutes. Tap Start to start the timer.

Choose the sound: Tap When Timer Ends.

Set a sleep timer: Set the timer, then tap When Timer Ends and choose Sleep iPod.

When you set a sleep timer, iPhone stops playing music or video when the timer ends.

If you start the timer and then switch to another iPhone application, the timer keeps running.

Calculator

20

Using the Calculator

Tap numbers and functions in Calculator just as you would with a standard calculator. When you tap the add, subtract, multiply, or divide button, a white ring appears around the button to let you know the operation to be carried out. Rotate iPhone to get an expanded scientific calculator.

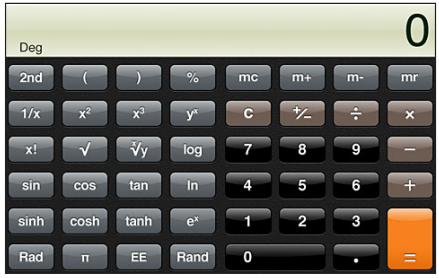
Standard Memory Functions

- *C:* Tap to clear the displayed number.
- *MC:* Tap to clear the memory.
- *M+:* Tap to add the displayed number to the number in memory. If no number is in memory, tap to store the displayed number in memory.
- *M-:* Tap to subtract the displayed number from the number in memory.
- *MR:* Tap to replace the displayed number with the number in memory. If the button has a white ring around it, there is a number stored in memory.

The stored number remains in memory when you switch between the standard and scientific calculators.

Scientific Calculator Keys

Rotate iPhone to landscape orientation to display the scientific calculator.



2nd	Changes the trigonometric buttons (sin, cos, tan, sinh, cosh, and tanh) to their inverse functions ($\sin^{-1}$, $\cos^{-1}$, $\tan^{-1}$, $\sinh^{-1}$, $\cosh^{-1}$, and $\tanh^{-1}$). It also changes ln to log2, and e^x to 2^x. Tap 2nd again to return the buttons to their original functions.
(	Opens a parenthetical expression. Expressions can be nested.
)	Closes a parenthetical expression.
%	Calculates percentages, adds markups, and subtracts discounts. To calculate a percentage, use it with the multiplication (x) key. For example, to calculate 8% of 500, enter 500 x 8 % = which returns 40. To add a markup or subtract a discount, use it with the plus (+) or minus (–) key. For example, to compute the total cost of a $500 item with an 8% sales tax, enter 500 + 8 % = which returns 540.
1/x	Returns the reciprocal of a value in decimal format.
x^2	Squares a value.
x^3	Cubes a value.
y^x	Tap between values to raise the first value to the power of the second value. For example, to compute 3^4, enter 3 y^x 4 = which returns 81.
x!	Calculates the factorial of a value.
√	Calculates the square root of a value.
$\sqrt[x]{y}$	Use between values to calculate the x root of y. For example to compute $\sqrt[4]{81}$, enter 81 $\sqrt[x]{y}$ 4 = which returns 3.

log	Returns the log base 10 of a value.
sin	Calculates the sine of a value.
sin^{-1}	Calculates the arc sine of a value. (Available when the 2nd button is tapped.)
cos	Calculates the cosine of a value.
cos^{-1}	Calculates the arc cosine of a value. (Available when the 2nd button is tapped.)
tan	Calculates the tangent of a value.
tan^{-1}	Calculates the arc tangent of a value. (Available when the 2nd button is tapped.)
ln	Calculates the natural log of a value.
log2	Calculates the log base 2. (Available when the 2nd button is tapped.)
sinh	Calculates the hyperbolic sine of a value.
$sinh^{-1}$	Calculates the inverse hyperbolic sine of a value. (Available when the 2nd button is tapped.)
cosh	Calculates the hyperbolic cosine of a value.
$cosh^{-1}$	Calculates the inverse hyperbolic cosine of a value. (Available when the 2nd button is tapped.)
tanh	Calculates the hyperbolic tangent of a value.
$tanh^{-1}$	Calculates the inverse hyperbolic tangent of a value. (Available when the 2nd button is tapped.)
e^x	Tap after entering a value to raise the constant "e" (2.718281828459045...) to the power of that value.
2^x	Calculates 2 to the power of the displayed value. For example, 10 2^x = 1024. (Available when the 2nd button is tapped.)
Rad	Changes the mode to express trigonometric functions in radians.
Deg	Changes the mode to express trigonometric functions in degrees.
π	Enters the value of π (3.141592653589793...).
EE	An operator that multiplies the currently displayed value by 10 to the power of the next value you enter.
Rand	Returns a random number between 0 and 1.

Settings

21

Settings allows you to customize iPhone applications, set the date and time, configure your network connection, and enter other preferences for iPhone.

Airplane Mode

Airplane mode disables the wireless features of iPhone to avoid interfering with aircraft operation and other electrical equipment.

Turn on airplane mode: Tap Settings and turn airplane mode on.

When airplane mode is on, ✈ appears in the status bar at the top of the screen. No phone, radio, Wi-Fi, or Bluetooth signals are emitted from iPhone and GPS reception is turned off, disabling many of iPhone's features. You won't be able to:

- Make or receive phone calls
- Make or receive FaceTime video calls
- Get visual voicemail
- Send or receive email
- Browse the Internet
- Sync your contacts, calendars, or bookmarks (MobileMe only) with MobileMe or Microsoft Exchange
- Send or receive text or MMS messages
- Stream YouTube videos
- Get stock quotes
- Get map locations
- Get weather reports
- Use the iTunes Store or the App Store

If allowed by the aircraft operator and applicable laws and regulations, you can continue to use iPhone to:

- Listen to music and watch videos
- Listen to visual voicemail previously received
- Check your calendar
- Take or view photos or video (iPhone 3GS or later)
- Hear alarms
- Use the stopwatch or timer
- Use the calculator
- Take notes
- Record voice memos
- Use Compass
- Read text messages and email messages stored on iPhone

If it's available and allowed by the aircraft operator and applicable laws and regulations, you can turn Wi-Fi back on and:

- Send and receive email
- Browse the Internet
- Sync your contacts, calendars, and bookmarks (MobileMe only) with MobileMe and Microsoft Exchange
- Stream YouTube videos
- Get stock quotes
- Get map locations
- Get weather reports
- Use the iTunes Store or the App Store

You may also be allowed to turn on Bluetooth and use Bluetooth devices with iPhone.

Wi-Fi

Wi-Fi settings determine whether iPhone uses local Wi-Fi networks to connect to the Internet. If no Wi-Fi networks are available, or you've turned Wi-Fi off, then iPhone connects to the Internet via your cellular data network, when available. You can use Mail, Safari, YouTube, Stocks, Maps, Weather, the iTunes Store, and the App Store over a cellular data network connection.

Turn Wi-Fi on or off: Choose Wi-Fi and turn Wi-Fi on or off.

Join a Wi-Fi network: Choose Wi-Fi, wait a moment as iPhone detects networks in range, then select a network. If necessary, enter a password and tap Join. (Networks that require a password appear with a lock icon.)

Once you've joined a Wi-Fi network manually, iPhone automatically joins it whenever the network is in range. If more than one previously used network is in range, iPhone joins the one last used.

When iPhone is joined to a Wi-Fi network, the Wi-Fi icon in the status bar at the top of the screen shows signal strength. The more bars you see, the stronger the signal.

Set iPhone to ask if you want to join a new network: Choose Wi-Fi and turn "Ask to Join Networks" on or off.

When you're trying to access the Internet, by using Safari or Mail for example, and you aren't in range of a Wi-Fi network you've previously used, this option tells iPhone to look for another network. iPhone displays a list of all available Wi-Fi networks that you can choose from. (Networks that require a password appear with a lock icon.) If "Ask to Join Networks" is turned off, you must manually join a network to connect to the Internet when a previously used network or a cellular data network isn't available.

Forget a network, so iPhone doesn't join it: Choose Wi-Fi and tap next to a network you've joined before. Then tap "Forget this Network."

Join a closed Wi-Fi network: To join a Wi-Fi network that isn't shown in the list of scanned networks, choose Wi-Fi > Other, then enter the network name. If the network requires a password, tap Security, tap the type of security the network uses, and enter the password.

You must already know the network name, password, and security type to connect to a closed network.

Some Wi-Fi networks may require you to enter or adjust additional settings, such as a client ID or static IP address. Ask the network administrator which settings to use.

Adjust settings to connect to a Wi-Fi network: Choose Wi-Fi, then tap next to a network.

VPN

This setting appears when you have VPN configured on iPhone, allowing you to turn VPN on or off. See "Network" on page 161.

Notifications

This setting appears when you've installed an application from the App Store that uses the Apple Push Notification service.

Push notifications are used by applications to alert you of new information, even when the application isn't running. Notifications differ depending upon the application, but may include text or sound alerts, and a numbered badge on the application icon on the Home screen.

You can turn notifications off if you don't want to be notified or want to conserve battery life.

Turn all notifications on or off: Tap Notifications, then turn notifications on or off.

Turn sounds, alerts, or badges on or off for an application: Tap Notifications, then choose an application from the list and choose the types of notification you want to turn on or off.

Carrier

This setting appears when you're outside of your carrier's network and other local carrier data networks are available to use for your phone calls, visual voicemail, and cellular network Internet connections. You can make calls only on carriers that have roaming agreements with your carrier. Additional fees may apply. Roaming charges may be billed to you by the carrier of the selected network, through your carrier.

For information about out-of-network coverage and how to enable roaming, contact your carrier or go to your carrier's website.

Select a carrier: Choose Carrier and select the network you want to use.

Once you select a network, iPhone uses only that network. If the network is unavailable, "No service" appears on the iPhone screen and you can't make or receive calls or visual voicemail, or connect to the Internet via cellular data network. Set Network Settings to Automatic to have iPhone select a network for you.

Sounds and the Ring/Silent Switch

Switch between ring and silent mode: Flip the Ring/Silent switch on the side of iPhone.

When set to silent, iPhone doesn't play any ring, alert, or effects sounds. It does, however, play alarms set using Clock.

Note: In some countries or regions, the sound effects for Camera and Voice Memos are played even if the Ring/Silent switch is set to silent.

Set whether iPhone vibrates when you get a call: Choose Sounds. To set whether iPhone vibrates in silent mode, turn Vibrate under Silent on or off. To set whether iPhone vibrates in ring mode, turn Vibrate under Ring on or off.

Adjust the ringer and alerts volume: Choose Sounds and drag the slider. Or, if no song or video is playing and you aren't on a call, use the volume buttons on the side of iPhone.

Set the ringtone: Choose Sounds > Ringtone.

Set alert and effects sounds: Choose Sounds and turn items on or off under Ring. When the Ring/Silent switch is set to ring, iPhone plays sounds for alerts and effects that are turned on.

You can set iPhone to play a sound whenever you:

- Get a call
- Get a text message
- Get a voicemail message
- Get an email message
- Send an email message
- Have an appointment that you've set to alert you
- Lock iPhone
- Type using the keyboard

Brightness

Screen brightness affects battery life. Dim the screen to extend the time before you need to recharge iPhone, or use Auto-Brightness.

Adjust the screen brightness: Choose Brightness and drag the slider.

Set whether iPhone adjusts screen brightness automatically: Choose Brightness and turn Auto-Brightness on or off. If Auto-Brightness is on, iPhone adjusts the screen brightness for current light conditions using the built-in ambient light sensor.

Wallpaper

Wallpaper settings let you set an image or photo as wallpaper for the Lock screen. On iPhone 3GS or later, you can also set wallpaper for your Home screen. See "Adding Wallpaper" on page 35.

General

General settings include network, sharing, security, and other iOS settings. You can also find information about your iPhone, and reset various iPhone settings.

About

Choose General > About to get information about iPhone, including:

- Name of your phone network
- Number of songs, videos, and photos
- Total storage capacity
- Space available
- Software version
- Serial and model numbers
- Wi-Fi and Bluetooth addresses
- IMEI (International Mobile Equipment Identity) and ICCID (Integrated Circuit Card Identifier, or Smart Card) numbers
- Modem firmware version of the cellular transmitter
- Legal information
- Regulatory information

Usage

Show battery percentage (iPhone 3GS or later): Choose General > Usage and turn Battery Percentage on.

See your usage statistics: Choose General > Usage. There, you can see:

- Usage—Amount of time iPhone has been awake and in use since the last full charge. iPhone is awake whenever you're using it—including making or receiving phone calls, using email, sending or receiving text messages, listening to music, browsing the web, or using any other iPhone features. iPhone is also awake while performing background tasks, such as fetching email messages.
- Standby—Amount of time iPhone has been powered on since its last full charge, including the time iPhone has been asleep.
- Current period call time and lifetime call time.
- Amount of data sent and received over the cellular data network.

Reset your usage statistics: Choose General > Usage, then tap Reset Statistics to clear the data and cumulative time statistics. The statistics for the amount of time iPhone has been unlocked and in standby mode aren't reset.

Network

Use Network settings to configure a VPN (virtual private network) connection, access Wi-Fi settings, or turn Data Roaming on or off.

Enable or disable 3G: Choose General > Network, then tap to turn 3G on or off.

Using 3G loads Internet data faster in some cases, but may decrease battery performance. If you're making a lot of phone calls, you may want to turn 3G off to extend battery performance.

Turn Cellular Data on or off: Choose General > Network, then turn Cellular Data on or off.

If Cellular Data is turned off, you won't be able to access the Internet unless you join a Wi-Fi network. By default, Cellular Data is turned on.

Turn Data Roaming on or off: Choose General > Network, then turn Data Roaming on or off.

Data Roaming turns on Internet and visual voicemail access over a cellular data network when you're in an area not covered by your carrier's network. For example, when you're traveling, you can turn off Data Roaming to avoid potential roaming charges. By default, Data Roaming is turned off.

Turn Internet Tethering on or off: Choose General > Network > Internet Tethering, then turn Internet Tethering on or off.

Internet Tethering (may not be available in all countries or regions) lets you share iPhone's Internet connection with a computer connected via USB or Bluetooth. Follow the onscreen instructions to complete the setup. Additional fees may apply. See "Using iPhone as a Modem" on page 24.

Add a new VPN configuration: Choose General > Network > VPN > Add VPN Configuration.

VPNs used within organizations allow you to communicate private information securely over a non-private network. You may need to configure VPN, for example, to access your work email on iPhone.

iPhone can connect to VPNs that use the L2TP, PPTP, or Cisco IPSec protocols. VPN works over both Wi-Fi and cellular data network connections.

Ask your network administrator which settings to use. In most cases, if you've set up VPN on your computer, you can use the same VPN settings for iPhone.

Once you enter VPN settings, a VPN switch appears in the Settings menu that you can use to turn VPN on or off.

VPN may also be automatically set up by a configuration profile. See "Connecting to the Internet" on page 22.

Change a VPN configuration: Choose General > Network > VPN and tap the configuration you want to update.

Turn VPN on or off: Choose VPN, then tap to turn VPN on or off.

Delete a VPN configuration: Choose General > Network > VPN, tap the blue arrow next to the configuration name, then tap Delete VPN at the bottom of the configuration screen.

Bluetooth

iPhone can connect wirelessly to Bluetooth devices such as headsets, headphones, and car kits for music listening and hands-free talking. See "Using a Bluetooth Device for Calls" on page 67.

You can also connect the Apple Wireless Keyboard via Bluetooth. See "Using an Apple Wireless Keyboard" on page 43.

Turn Bluetooth on or off: Choose General > Bluetooth and turn Bluetooth on or off.

Location Services

Location services lets applications such as Maps, Camera, Compass, and third-party location-based applications gather and use data indicating your location. The location data collected by Apple is not collected in a form that personally identifies you. Your approximate location is determined using available information from cellular network data, local Wi-Fi networks (if you have Wi-Fi turned on), and GPS (may not be available in all locations).

When an application is using location services, ➤ appears in the status bar.

Each application that has requested your location within the last 24 hours appears in the Location Services settings screen, showing whether location services is turned on or off for that application. You can turn location services off for some or for all applications, if you don't want to use this feature. If you turn location services off, you'll be prompted to turn it on again the next time an application tries to use this feature.

Turn location services on or off for all applications: Choose General > Location Services and turn location services on or off.

Turn location services on or off for some applications: Turn location services on or off for the individual applications.

If you have third-party applications on iPhone that use location services, you should review the third party's terms and privacy policy to understand how that application uses your location data.

To conserve battery life, turn location services off when you're not using it.

Home Button

Home Button settings (iPhone 3G) let you specify what happens when you double-click the Home button. The "Spotlight Search" settings, described below, are also available under Home Button on iPhone 3G.

Set the action performed when you double-click the Home button: Choose General > Home Button and set the action. You can set double-clicking the Home button to go to:

- Home screen
- Search screen
- Phone Favorites
- Camera application
- iPod application

Set whether double-clicking the Home button shows iPod controls when playing music: Choose General > Home Button, then tap the switch to turn iPod controls on or off. This feature overrides the action for double-clicking the Home button, and works even if the display is turned off or iPhone is locked.

Spotlight Search

The Spotlight Search setting lets you specify the content areas searched by Search, and rearrange the order of the results.

Set which content areas are searched by Search: Choose General > Home > Search Results, then tap an item to select or deselect it.

All search categories are selected by default.

Set the order of search result categories: Choose General > Home > Search Results, then touch and drag ☰ for an item up or down.

Auto-Lock

Locking iPhone turns off the display to save your battery and to prevent unintended operation of iPhone. You can still receive calls and text messages, and you can adjust the volume and use the mic button on the iPhone earphones when listening to music or on a call.

Set the amount of time before iPhone locks: Choose General > Auto-Lock, then choose a time.

Passcode Lock

By default, iPhone doesn't require you to enter a passcode to unlock it.

On iPhone 3GS or later, setting a passcode enables data protection on iPhone. See "Security Features" on page 51.

Important: On iPhone 3GS, you must also restore iOS software to enable data protection. See "Restoring iPhone" on page 229.

Set a passcode: Choose General > Passcode Lock and enter a 4-digit passcode, then enter the passcode again to verify it. iPhone then requires you to enter the passcode to unlock it or to display the passcode lock settings.

Turn passcode lock off: Choose General > Passcode Lock, enter your passcode, and tap Turn Passcode Off, then enter your passcode again.

Change the passcode: Choose General > Passcode Lock, enter your passcode, and tap Change Passcode. Enter your passcode again, then enter and reenter your new passcode.

If you forget your passcode, you must restore the iPhone software. See "Updating and Restoring iPhone Software" on page 229.

Set how long before your passcode is required: Choose General > Passcode Lock and enter your passcode. Tap Require Passcode, then select how long iPhone can be locked before you need to enter a passcode to unlock it.

Turn Simple Passcode on or off: Choose General > Passcode Lock, then turn Simple Passcode on or off.

A simple passcode is a four-digit number. To increase security, turn off Simple Passcode and use a longer passcode with a combination of numbers, letters, punctuation, and special characters.

Turn Voice Dial on or off (iPhone 3GS or later): Choose General > Passcode Lock, then turn Voice Dial on or off.

Erase data after ten failed passcode attempts: Choose General > Passcode Lock, enter your passcode, and tap Erase Data to turn it on.

After ten failed passcode attempts, your settings are reset to their defaults and all your information and media are erased:

- *On iPhone 3GS or later:* by removing the encryption key to the data (which is encrypted using 256-bit AES encryption)
- *On iPhone 3G:* by overwriting the data

Important: You can't use iPhone while data is being overwritten. This can take up to two hours or more, depending on the model and storage capacity of your iPhone. (On iPhone 3GS or later, the encryption key is removed immediately.)

Restrictions

You can set restrictions for the use of some applications and for iPod content on iPhone. For example, parents can restrict explicit music from being seen on playlists, or turn off YouTube access entirely.

Turn on restrictions:

1. Choose General > Restrictions, then tap Enable Restrictions.
2. Enter a four-digit passcode.
3. Reenter the passcode.

Turn off restrictions: Choose General > Restrictions, then enter the passcode. Tap Disable Restrictions, then reenter the passcode.

If you forget your passcode, you must restore your iPhone software from iTunes. See "Updating and Restoring iPhone Software" on page 229.

Set application restrictions: Set the restrictions you want by tapping individual controls on or off. By default, all controls are on (not restricted). Tap an item to turn it off and restrict its use.

	Safari is disabled and its icon is removed from the Home screen. You cannot use Safari to browse the web or access web clips. Other third-party applications may allow web browsing even if Safari is disabled.
	YouTube is disabled and its icon is removed from the Home screen.
	The iTunes Store is disabled and its icon is removed from the Home screen. You cannot preview, purchase, or download content.
	The App Store is disabled and its icon is removed from the Home screen. You cannot install applications on iPhone.
	Camera is disabled and its icon is removed from the Home screen. You cannot take photos.
	You cannot make or receive FaceTime video calls.
	Location data isn't provided to applications.

Restrict purchases within applications: Turn In-App Purchases off. When enabled, this feature allows you to purchase additional content or features within applications downloaded from the App Store.

Set content restrictions: Tap Ratings For, then select a country from the list. You can then set restrictions using that country's ratings system for the following categories of content:

- Music & Podcasts
- Movies
- TV Shows
- Apps

In the United States for example, to allow only movies rated PG or below, tap Movies, then select PG from the list.

Content that you restrict won't appear on iPhone.

Note: Not all countries or regions have rating systems.

Date and Time

These settings apply to the time shown in the status bar at the top of the screen, and in world clocks and calendars.

Set whether iPhone shows 24-hour time or 12-hour time: Choose General > Date & Time, then turn 24-Hour Time on or off. (24-Hour Time may not be available in all countries or regions.)

Set whether iPhone updates the date and time automatically: Choose General > Date & Time, then turn Set Automatically on or off.

If iPhone is set to update the time automatically, it gets the correct time over the cellular network and updates it for the time zone you're in.

Some carriers don't support network time in all locations. If you're traveling, iPhone may not be able to automatically set the local time.

Set the date and time manually: Choose General > Date & Time, then turn Set Automatically off. Tap Time Zone and enter the name of a major city in your time zone. Tap the "Date & Time" return button, then tap "Set Date & Time" and enter the date and time.

Keyboard

Turn Auto-Correction on or off: Choose General > Keyboard and turn Auto-Correction on or off.

Normally, if the default keyboard for the language you select has a dictionary, iPhone suggests corrections or completed words as you type.

Turn Auto-Capitalization on or off: Choose General > Keyboard and turn Auto-Capitalization on or off.

By default, iPhone capitalizes words after you type sentence-ending punctuation or a return character.

Set whether caps lock is enabled: Choose General > Keyboard and turn Enable Caps Lock on or off.

If caps lock is enabled and you double-tap the Shift ⇧ key on the keyboard, all letters you type are uppercase. The Shift key turns blue when caps lock is on.

Turn the "." shortcut on or off: Choose General > Keyboard and turn "." Shortcut on or off.

The "." shortcut lets you double-tap the space bar to enter a period followed by a space when you're typing. It's on by default.

Add international keyboards:

1. Choose General > Keyboard > International Keyboards.

   The number of active keyboards appears before the right arrow.

2. Tap "Add New Keyboard…," then choose a keyboard.

You can add as many keyboards as you want. To learn about using international keyboards, see "International Keyboards" on page 39.

Edit your keyboard list: Choose General > Keyboard > International Keyboards, then tap Edit and do one of the following:

- *To delete a keyboard,* tap , then tap Delete.
- *To reorder the list,* drag next to a keyboard to a new place in the list.

Change a keyboard's layout: In Settings, choose General > Keyboard > International Keyboards and select a keyboard. You can make separate selections for both the on-screen software and external hardware keyboards for each language.

The software keyboard layout determines the layout of the keyboard that appears on the iPhone screen. The hardware keyboard layout determines the virtual layout of an Apple Wireless Keyboard connected to iPhone.

International

Use International settings to set the language for iPhone, turn keyboards for different languages on or off, and set the date, time, and telephone number formats for your country or region.

Set the language for iPhone: Choose General > International > Language, choose the language you want to use, then tap Done.

Set the Voice Control language for iPhone: Choose General > International > Voice Control, then choose the language you want to use (iPhone 3GS or later).

Add international keyboards:

1. Choose General > International > Keyboards.

   The number of active keyboards appears next to the right arrow.

2. Tap "Add New Keyboard…," then choose a keyboard.

   You can add as many keyboards as you want. To learn about using international keyboards, see "International Keyboards" on page 39.

Edit your keyboard list: Choose General > International > Keyboards, then tap Edit and do one of the following:

- *To delete a keyboard,* tap , then tap Delete.
- *To reorder the list,* drag next to a keyboard to a new place in the list.

Change a keyboard layout: In Settings, choose General > International > Keyboards and select a keyboard. You can make separate selections for both the on-screen software and external hardware keyboards for each language.

The software keyboard layout determines the layout of the keyboard that appears on your iPhone screen. The hardware keyboard layout determines the virtual layout of an Apple Wireless Keyboard connected to iPhone.

Set the date, time, and telephone number formats: Choose General > International > Region Format, and choose your region.

The Region Format also determines the language used for the days and months that appear in native iPhone applications.

Set the calendar format: Choose General > International > Calendar, and choose the format.

Accessibility

To turn on accessibility features (iPhone 3GS or later), choose Accessibility and choose the features you want. See Chapter 28, "Accessibility," on page 211.

Resetting iPhone

Reset all settings: Choose General > Reset and tap Reset All Settings.

All your preferences and settings are reset. Information (such as contacts and calendars) and media (such as songs and videos) aren't affected.

Erase all content and settings: Connect iPhone to your computer or a power adapter. Choose General > Reset and tap "Erase All Content and Settings."

This resets all settings to their defaults and erases all your information and media:

- *On iPhone 3GS or later:* by removing the encryption key to the data (which is encrypted using 256-bit AES encryption)
- *On iPhone 3G:* by overwriting the data

Important: You can't use iPhone while data is being overwritten. This can take up to two hours or more, depending on the model and storage capacity of your iPhone. (On iPhone 3GS or later, the encryption key is removed immediately.)

Reset network settings: Choose General > Reset and tap Reset Network Settings.

When you reset network settings, your list of previously used networks and VPN settings not installed by a configuration profile are removed. Wi-Fi is turned off and then back on, disconnecting you from any network you're on. The Wi-Fi and "Ask to Join Networks" settings are left turned on.

To remove VPN settings installed by a configuration profile, choose Settings > General > Profile, then select the profile and tap Remove.

Reset the keyboard dictionary: Choose General > Reset and tap Reset Keyboard Dictionary.

You add words to the keyboard dictionary by rejecting words iPhone suggests as you type. Tap a word to reject the correction and add the word to the keyboard dictionary. Resetting the keyboard dictionary erases all words you've added.

Reset the Home screen layout: Choose General > Reset and tap Reset Home Screen Layout.

Reset location warnings: Choose General > Reset and tap Reset Location Warnings.

Location warnings are requests made by applications (such as Camera, Compass, and Maps) to use location services with those applications. iPhone presents a location warning for an application the first time the application makes a request to use location services. If you tap Cancel in response to the request, the request won't be presented again. To reset the location warnings so that you get a request for each application again, tap Reset Location Warnings.

Mail, Contacts, Calendars

Use Mail, Contacts, Calendars settings to set up accounts and turn on specific account services (such as mail, contacts, calendars, bookmarks, and notes) for iPhone:

- Microsoft Exchange (mail, contacts, and calendars)
- MobileMe (mail, contacts, calendars, bookmarks, notes, and Find My iPhone)
- Google (mail, calendars, and notes)
- Yahoo! (mail, calendars, and notes)
- AOL (mail and notes)
- Other POP and IMAP mail systems
- LDAP or CardDAV accounts for Contacts
- CalDAV or iCalendar (.ics) accounts for Calendars

Accounts

The Accounts section lets you set up accounts on iPhone. The specific settings that appear depend on the type of account you're setting up. Your service provider or system administrator should be able to provide the information you need to enter.

For more information, see:

- "Adding Mail, Contacts, and Calendar Accounts" on page 25
- "Adding Contacts" on page 197
- "Subscribing to Calendars" on page 111

Change an account's settings: Choose "Mail, Contacts, Calendars," choose an account, then make the changes you want.

Changes you make to an account's settings on iPhone are *not* synced to your computer, so you can configure your accounts to work with iPhone without affecting the account settings on your computer.

Stop using an account service: Choose "Mail, Contacts, Calendars," choose an account, then turn an account service (such as Mail, Calendars, or Notes) off.

If an account service is off, iPhone doesn't display or sync information with that account service until you turn it back on.

Adjust advanced settings: Choose "Mail, Contacts, Calendars," choose an account, then do one of the following:

- *To set whether drafts, sent messages, and deleted messages are stored on iPhone or remotely on your email server (IMAP accounts only),* tap Advanced and choose Drafts Mailbox, Sent Mailbox, or Deleted Mailbox.

  If you store messages on iPhone, you can see them even when iPhone isn't connected to the Internet.
- *To set how long before messages are removed permanently from Mail on iPhone,* tap Advanced and tap Remove, then choose a time: Never, or after one day, one week, or one month.
- *To adjust email server settings,* tap Host Name, User Name, or Password under Incoming Mail Server or Outgoing Mail Server. Ask your network administrator or Internet service provider for the correct settings.
- *To adjust SSL and password settings,* tap Advanced. Ask your network administrator or Internet service provider for the correct settings.

Delete an account from iPhone: Choose "Mail, Contacts, Calendars," choose an account, then scroll down and tap Delete Account.

Deleting an account means you can no longer access the account with your iPhone. All email and the contacts, calendar, and bookmark information synced with the account are removed from iPhone. However, deleting an account doesn't remove the account or its associated information from your computer.

Fetch New Data

This setting lets you turn Push on or off for MobileMe, Microsoft Exchange, Yahoo!, and any other push accounts on iPhone. Push accounts deliver new information to iPhone whenever new information appears on the server (some delays may occur). You might want to turn Push off to suspend delivery of email and other information, or to conserve battery life.

When Push is off, and with accounts that don't support push, data can still be fetched—that is, iPhone can check with the server and see if new information is available. Use the Fetch New Data setting to determine how often data is requested. For optimal battery life, don't fetch too often.

Turn Push on: Choose "Mail, Contacts, Calendars" > Fetch New Data, then tap to turn Push on.

Set the interval to fetch data: Choose "Mail, Contacts, Calendars" > Fetch New Data, then choose how often you want to fetch data for all accounts.

To conserve battery life, fetch less frequently.

Setting Push to OFF or setting Fetch to Manually in the Fetch New Data screen overrides individual account settings.

Mail

Mail settings, except where noted, apply to all accounts you've set up on iPhone.

To turn alerts sounds for new or sent mail on or off, use the Sounds settings.

Set the number of messages shown on iPhone: Choose "Mail, Contacts, Calendars" > Show, then choose a setting.

Choose to see the most recent 25, 50, 75, 100, or 200 messages. To download additional messages when you're in Mail, scroll to the bottom of your inbox and tap Load More Messages.

Note: For Microsoft Exchange accounts, choose "Mail, Contacts, Calendars" and choose the Exchange account. Tap "Mail days to sync" and choose the number of days of mail you want to sync with the server.

Set how many lines of each message are shown in the message list: Choose "Mail, Contacts, Calendars" > Preview, then choose a setting.

You can choose to see up to five lines of each message. That way, you can scan a list of messages in a mailbox and get an idea of what each message is about.

Set a minimum font size for messages: Choose "Mail, Contacts, Calendars" > Minimum Font Size, then choose Small, Medium, Large, Extra Large, or Giant.

Set whether iPhone shows To and Cc labels in message lists: Choose "Mail, Contacts, Calendars," then turn Show To/Cc Label on or off.

If Show To/Cc Label is on, To or Cc next to each message in a list indicates whether the message was sent directly to you or you received a copy.

Set whether iPhone confirms that you want to delete a message: Choose "Mail, Contacts, Calendars" and, in the Mail settings, turn Ask Before Deleting on or off.

Set whether iPhone automatically loads remote images: Choose "Mail, Contacts, Calendars" and turn Load Remote Images on or off.

Set whether mail messages are organized by thread: Choose "Mail, Contacts, Calendars" and turn Organize By Thread on or off.

Set whether iPhone sends you a copy of every message you send: Choose "Mail, Contacts, Calendars," then turn Always Bcc Myself on or off.

Add a signature to your messages: Choose "Mail, Contacts, Calendars" > Signature, then type a signature.

You can set iPhone to add a signature—your favorite quote, or your name, title, and phone number, for example—to the bottom of every message you send.

Set the default email account: Choose "Mail, Contacts, Calendars" > Default Account, then choose an account.

This setting determines which of your accounts a message is sent from when you create a message from another iPhone application, such as sending a photo from Photos or tapping the email address of a business in Maps. To send the message from a different account, tap the From field in the message and choose another account.

Contacts

Set how contacts are sorted: Choose "Mail Contacts, Calendars," then under Contacts tap Sort Order and do one of the following:

- *To sort by first name first,* tap First, Last.
- *To sort by last name first,* tap Last, First.

Set how contacts are displayed: Choose "Mail Contacts, Calendars," then under Contacts tap Display Order and do one of the following:

- *To show first name first,* tap First, Last.
- *To show last name first,* tap Last, First.

Import contacts from a SIM card: Choose "Mail, Contacts, Calendars," then tap Import SIM Contacts.

The contact information on the SIM card is imported to iPhone. If you have Contacts enabled for MobileMe, Microsoft Exchange, or a CardDAV account, you're asked to choose which account you want to add the SIM contacts to.

Calendars

Set alerts to sound when your receive meeting invitation: Choose "Mail, Contacts, Calendars," and under Calendar, tap "New Invitation Alerts" to turn it on.

Set how far back in the past to show your calendar events on iPhone: Choose "Mail, Contacts, Calendars" > Sync, then choose a period of time.

Turn on Calendar time zone support: Choose "Mail, Contacts, Calendars" > Time Zone Support, then turn Time Zone Support on. Select a time zone for calendars by tapping Time Zone and entering the name of a major city.

When Time Zone Support is on, Calendar displays event dates and times in the time zone of the city you selected. When Time Zone Support is off, Calendar displays events in the time zone of your current location as determined by the network time.

Set a default calendar: Choose "Mail, Contacts, Calendars," and under Calendar, tap Default Calendar to choose the default calendar for new events. This setting appears when more than one calendar is synced to iPhone.

Important: Some carriers don't support network time in all locations. If you're traveling, iPhone may not display events or sound alerts at the correct local time. To manually set the correct time, see "Date and Time" on page 166.

Notes

The Default Account setting appears when you set up more than one account that syncs notes.

Set which account a new note is assigned to: Choose "Mail, Contacts, Calendars," and under Notes, tap Default Account and choose an account.

Phone

Use Phone settings to forward incoming calls, turn call waiting on or off, change your password, and other things. Additional fees may apply. Contact your carrier for pricing and availability.

FaceTime

The FaceTime setting appears on iPhone 4 only.

Activate or deactivate FaceTime: Turn FaceTime on or off. If FaceTime is on, your phone number will be shared with people you call.

Call Forwarding

You can set iPhone to forward incoming calls to another number. For example, you may be on vacation and want all calls to go somewhere else. If you're going to an area with no cellular coverage, you may want to forward calls to a place where you can be reached.

Set iPhone to forward your calls:

1. Choose Phone > Call Forwarding and turn Call Forwarding on.
2. On the "Forward to" screen, enter the phone number you want calls forwarded to.

When Call Forwarding is on, appears in the status bar at the top of the screen. You must be in range of the cellular network when you set iPhone to forward calls, or calls won't be forwarded.

Call Waiting

Activate or deactivate call waiting: Choose Phone > Call Waiting, then turn Call Waiting on or off. If you turn call waiting off and someone calls you when you're already on the phone, the call goes to voicemail.

Show My Caller ID

Show or hide your caller ID: Choose Phone > Show My Caller ID, then turn Show My Caller ID on or off.

If Show My Caller ID is off, people you call can't see your name or phone number on their phone.

Using iPhone with a Teletype (TTY) Machine

In some countries or regions, Teletype (TTY) machines are used by deaf or hearing-impaired people to communicate by typing and reading text. You can use iPhone with a TTY machine if you have the iPhone TTY Adapter cable, available for purchase separately in many countries. Go to www.apple.com/store (may not be available in all countries or regions) or check with your local Apple retailer.

Connect iPhone to a TTY machine: Choose Phone, then turn TTY on. Then connect iPhone to your TTY machine using the iPhone TTY Adapter.

For information about using a TTY machine, see the documentation that came with the machine.

For information about other accessibility features of iPhone, see Chapter 28, "Accessibility," on page 211.

Calling from Abroad

Set iPhone to add the correct prefix when dialing from another country: In Settings, tap Phone, then turn International Assist on. This lets you make calls to your home country using the numbers in your contacts and favorites lists, without having to add a prefix or your country code. International Assist works for U.S. telephone numbers only.

For more information, see "Using iPhone Abroad" on page 71.

Changing Your Voicemail Password

A voicemail password helps prevent others from access your voicemail. You need to enter the password only when you're calling in to get your messages from another phone. You won't need to enter the password when using voicemail on iPhone.

Change your voicemail password: Choose Phone > Change Voicemail Password.

Locking Your SIM Card

You can lock your SIM card, so it can't be used without a Personal Identification Number (PIN). You must enter the PIN each time you turn iPhone off and turn it back on again. Some carriers require a SIM PIN in order to use iPhone.

Important: If you enter the PIN incorrectly three times, you may need to enter a Personal Unlocking Key (PUK) to enable your SIM card again. Refer to the SIM card documentation or contact your carrier. Some cellular networks may not accept an emergency call from iPhone if the SIM card is locked.

Turn the SIM PIN on or off:

1. Choose Phone > SIM PIN, then turn SIM PIN on or off.
2. Enter your PIN to confirm. Use the PIN assigned by your carrier, or your carrier's default PIN.

Change the PIN for your SIM card:

1. Choose Phone > SIM PIN.
2. Turn SIM PIN on, then tap Change PIN.
3. Enter your current PIN, then enter your new PIN.
4. Enter your new PIN again to confirm, then tap Done.

Accessing Your Carrier's Services

Depending on your carrier, you may be able to access some of your carrier's services directly from iPhone. For example, you may be able to check your bill balance, call directory assistance, and view how many minutes you have left.

Access your carrier's services: Choose Phone. Then scroll down and tap the button for your carrier's services.

When you request information such as your bill balance, your carrier may provide the information in a text message. Contact your carrier to find out if there are any charges for these services.

Safari

Safari settings let you select your Internet search engine, set security options, and for developers, turn on debugging.

General

Select a search engine: Choose Safari > Search Engine and select the search engine you want to use.

You can set Safari to automatically fill out web forms using contact information, names and passwords you previously entered, or both.

Enable AutoFill: Choose Safari > AutoFill, then do one of the following:

- *To use information from contacts,* turn Use Contact Info on, then choose My Info and select the contact you want to use.

  Safari uses information from Contacts to fill in contact fields on web forms.
- *To use information from names and passwords,* turn Names & Passwords on.

  When this feature is on, Safari remembers names and passwords of websites you visit and automatically fills in the information when you revisit the website.
- *To remove all AutoFill information,* tap Clear All.

Security

By default, Safari is set to show features of the web, such as some movies, animation, and web applications. You may wish to change security settings to help protect iPhone from possible security risks on the Internet.

Change security settings: Choose Safari, then do one of the following:

- *To set whether you're warned when visiting potentially fraudulent websites,* turn Fraud Warning on or off.

  Fraud warning protects you from potentially fraudulent Internet sites. When you visit a suspicious site, Safari warns you about its suspect nature and doesn't load the page.

- *To enable or disable JavaScript,* turn JavaScript on or off.

  JavaScript lets web programmers control elements of the page—for example, a page that uses JavaScript might display the current date and time or cause a linked page to appear in a new pop-up page.

- *To block or allow pop-ups,* turn Block Pop-ups on or off. Blocking pop-ups stops only pop-ups that appear when you close a page or open a page by typing its address. It doesn't block pop-ups that open when you tap a link.

- *To set whether Safari accepts cookies,* tap Accept Cookies and choose Never, "From visited," or Always.

  A cookie is a piece of information that a website puts on iPhone so the website can remember you when you visit again. That way, webpages can be customized for you based on information you may have provided.

  Some pages won't work correctly unless iPhone is set to accept cookies.

- *To clear a database,* tap Databases, then tap Edit. Tap ⊖ next to a database, then tap Delete.

  Some web applications use databases to store application information on iPhone.

- *To clear the history of webpages you've visited,* tap Clear History.

- *To clear all cookies from Safari,* tap Clear Cookies.

- *To clear the browser cache,* tap Clear Cache.

  The browser cache stores the content of pages so the pages open faster the next time you visit them. If a page you open doesn't show new content, clearing the cache may help.

Developer

The debug console can help you resolve webpage errors. If it's turned on, the console appears when a webpage error occurs.

Turn the debug console on or off: Choose Safari > Developer, and turn Debug Console on or off.

Messages

Use Messages settings to adjust settings for SMS and MMS messages.

Note: The MMS Messaging and Show Subject Field settings don't appear if MMS isn't supported by your carrier.

Choose whether or not to see a preview of messages on the Home screen: Choose Messages and turn Show Preview on or off.

Choose whether or not to repeat message alerts: Choose Messages and turn Repeat Alert on or off. If you ignore a message alert, you'll be alerted two more times.

Turn MMS messaging on or off: Choose Messages and turn MMS Messaging on or off. If MMS messaging is off, you won't be able to receive MMS file attachments such as images or audio.

Group messaging (may not be available in all countries and regions) maintains the thread of the group when sending texts to multiple recipients.

Turn Group Messaging on or off: Choose Messages and turn Group Messaging on or off.

Show a subject line for messages you send or receive: Choose Messages and turn Show Subject Field on.

Show a character count for messages you send or receive: Choose Messages and turn Character Count on. The character count includes all characters—including spaces, punctuation, and returns—and appears as you type when your message exceeds two lines.

iPod

Use iPod Settings to adjust settings for music and video playback on your iPod.

Music

Music settings apply to songs, podcasts, and audiobooks.

Turn Shake to Shuffle on or off: Choose iPod, then turn Shake to Shuffle on or off. When Shake to Shuffle is on, you can shake iPhone to turn shuffle on and immediately change the currently playing song.

Set iTunes to play songs at the same sound level: In iTunes, choose iTunes > Preferences if you're using a Mac, or Edit > Preferences if you're using a PC. Then click Playback and select Sound Check.

Set iPhone to use the iTunes volume settings (Sound Check): Choose iPod and turn Sound Check on.

Use the equalizer to customize the sound on iPhone: Choose iPod > EQ and choose a setting.

Set a volume limit for music and videos: Choose iPod > Volume Limit and drag the slider to adjust the maximum volume.

Tap Lock Volume Limit to assign a code to prevent the setting from being changed.

Setting a volume limit only limits the volume of music (including podcasts and audiobooks) and videos (including rented movies), and only when headphones, earphones, or speakers are connected to the headset jack on iPhone.

WARNING: For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Show song lyrics and podcast information: Choose iPod and turn Lyrics & Podcast Info on.

Video

Video settings apply to video content, including rented movies. You can set where to resume playing videos that you previously started, turn closed captioning on or off, and set up iPhone to play videos on your TV.

Set where to resume playing: Choose iPod > Start Playing, then select whether you want videos that you previously started watching to resume playing from the beginning or where you left off.

Turn closed captioning on or off: Choose iPod and turn Closed Captioning on or off.

Note: Not all video content is encoded for closed captioning.

TV Out

Use these settings to control how iPhone plays videos on your TV.

Turn widescreen on or off: Choose iPod and turn Widescreen on or off.

Set TV signal to NTSC or PAL: Choose iPod > TV Signal and select NTSC or PAL.

NTSC and PAL are TV broadcast standards. iPhone displays NTSC 480p/PAL 576p when attached to a TV using a component cable, or NTSC 480i/PAL 576i using a composite cable. Your TV might use NTSC or PAL, depending on where you bought it. If you're not sure which to use, check the documentation that came with your TV.

For more information about using iPhone to play videos on your TV, see "Watching Videos on a TV" on page 99.

Photos

Use Photos settings to specify how slideshows display your photos.

Set the length of time each slide is shown: Choose Photos > Play Each Slide For and select the length of time.

Set a transition effect: Choose Photos > Transition and select a transition effect.

Set whether to repeat slideshows: Choose Photos and turn Repeat on or off.

Set photos to appear randomly or in order: Choose Photos and turn Shuffle on or off.

Store

Use Store settings to change or create an iTunes Store account. By default, the iTunes account you're signed in to when you sync iPhone with your computer appears in Store settings. You can change accounts on iPhone to purchase music or applications from another account. If you don't have an iTunes account, you can create one in Store settings.

Sign in to an account: Choose Store and tap Sign in, then enter your user name and password.

View your iTunes Store account information: Choose Store and tap View Account, then type your password and follow the onscreen instructions.

Sign in to a different account: Choose Store and tap Sign out, then tap Sign in and enter your username and password.

Create a new account: Choose Store and tap Create New Account, then follow the onscreen instructions.

Nike + iPod

Use Nike + iPod settings to activate and adjust settings for the Nike + iPod application (iPhone 3GS or later). See Chapter 26, "Nike + iPod," on page 203.

iTunes Store

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About the iTunes Store

You can search for, browse, preview, purchase, and download music, ringtones, audiobooks, TV shows, movies, and music videos from the iTunes Store directly to iPhone. You can listen to audio or watch video podcasts from the iTunes Store, either by streaming them from the Internet or by downloading them directly to iPhone.

Note: The iTunes Store may not be available in all countries or regions, and iTunes Store content may vary by country or region.

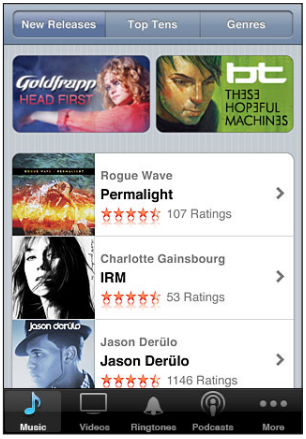
To access the iTunes Store, iPhone must be connected to the Internet. See "Connecting to the Internet" on page 22.

To purchase items or write reviews, you need an iTunes Store account. By default, iPhone gets your iTunes Store account settings from iTunes. If you don't have an iTunes Store account, or if you want to make purchases from another iTunes Store account, go to Settings > Store. See "Store" on page 179.

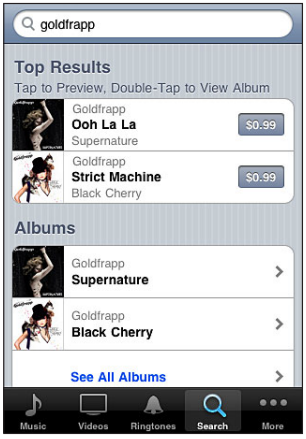
You don't need an iTunes Store account to play or download podcasts.

Finding Music, Videos, and More

Browse content: Tap Music, Videos, Ringtones, or Podcasts. Or tap More to browse by Audiobooks, iTunes U, or Downloads. Choose a sort method at the top of the screen to browse by lists such as New Releases, What's Hot, or Genres.



Search for content: Tap Search, tap the search field and enter one or more words, then tap Search. Search results are grouped by category, such as Movies, Albums, or Podcasts.



Tap an item in a list to see more details on its Info screen. You can read reviews, write your own review, or email a link about the item to a friend. Depending on the item, you can also buy, download, or rent it.

Note: If you join a Starbucks Wi-Fi network in a select Starbucks location (available in the U.S. only), the Starbucks icon appears at the bottom of the screen. You can preview and purchase the currently playing and other songs from featured Starbucks Collections.

Purchasing Ringtones

You can preview and purchase ringtones from the iTunes Store and download them to iPhone.

Note: Ringtones may not be available in all countries or regions.

Browse for ringtones: Tap Ringtones or use Search to find a specific song in the iTunes Store.

Preview a ringtone: Tap the item to preview. Double-tap the item for more information.

Purchase and download a ringtone:

1. Tap the price, then tap Buy Now.
2. Sign in to your account as requested, then tap OK.

When you purchase a ringtone, you can set it as your default ringtone, or assign it to a contact.

If you don't have an iTunes Store account, tap Create New Account to set one up.

Your purchase is charged to your iTunes Store account. For additional purchases made within the next fifteen minutes, you don't have to enter your password again.

You can change your default ringtone or assign individual ringtones to contacts in Settings > Sounds. See "Sounds and the Ring/Silent Switch" on page 159.

Ringtones you purchase on iPhone are synced to your iTunes library when you connect iPhone to your computer. You can sync purchased ringtones to more than one iPhone, if they're all synced to the same account you used to purchase the ringtones. You can't edit ringtones you purchase from the iTunes Store.

You can create custom ringtones in Garage Band. For information, see Garage Band Help.

Purchasing Music or Audiobooks

When you find a song, album, or audiobook you like in the iTunes Store, you can purchase and download it to iPhone. You can preview an item before you purchase it to make sure it's what you want.

Preview a song or audiobook: Tap the item.

Purchase and download a song, album, or audiobook:

1. Tap the price, then tap Buy Now.
2. Sign in to your account as requested, then tap OK.

If you don't have an iTunes Store account, tap Create New Account to set one up.

Your purchase is charged to your iTunes Store account. For additional purchases made within the next fifteen minutes, you don't have to enter your password again.

An alert appears if you've previously purchased one or more songs from an album. Tap Buy if you want to purchase the entire album including the songs you've already purchased, or tap Cancel if you want to purchase any remaining songs individually.

Some albums include bonus content, which is downloaded to your iTunes library on your computer. Not all bonus content is downloaded directly to iPhone.

Once you purchase an item it begins downloading and appears in the Downloads screen. See "Checking Download Status" on page 185.

Purchased songs are added to a Purchased playlist on iPhone. If you delete the Purchased playlist, iTunes creates a new one when you buy an item from the iTunes Store.

You can redeem iTunes Store gift cards, gift certificates, or other promotional codes to make purchases. When you're signed in to your account, your remaining store credit appears with your account information at the bottom of most iTunes Store screens.

Enter a redemption code: Tap Music, then tap Redeem at the bottom of the screen and follow the onscreen instructions.

Purchasing or Renting Videos

The iTunes Store lets you purchase and download movies, TV shows, and music videos (may not be available in all countries or regions). Some movies can also be rented for a limited time. Video content may be available in standard-definition (SD, or 480p) format, high-definition (HD, or 720p) format, or both.

Preview a video: Tap Preview.

Purchase or rent a video:

1. Tap Buy or Rent.
2. Sign in to your account as requested, then tap OK.

If you don't have an iTunes Store account, tap Create New Account to set one up. Your purchase is charged to your iTunes Store account. For additional purchases made within the next fifteen minutes, you don't have to enter your password again.

Once you purchase an item, it begins downloading and appears in the Downloads screen. See "Checking Download Status" on page 185.

Rented movies won't begin playing until the download completes. See "Watching Rented Movies" on page 98.

When the download is complete, purchased videos are added to the Purchased playlist on iPhone. Purchased content is synced to the Purchased playlist for your iPhone in iTunes the next time you connect iPhone to your computer. See "Syncing Purchased Content."

Note: If you purchase HD video on iPhone 3G or iPhone 3GS, the video is downloaded to iPhone in SD format.

To view or sync videos in the Purchased playlist in iTunes on your computer, you must be signed in to your iTunes Store account.

Sync purchased videos in iTunes: Connect iPhone to your computer, then in iTunes select your iPhone under Devices, click the appropriate tab (Movies, TV Shows, or Music for music videos), select the items you want to sync, and click Sync.

If you purchase a video in HD format, you can choose to sync it in either SD or HD format. You may want to sync an HD video in SD format for a quicker download, or to save room on iPhone.

Select SD or HD format: In iTunes, Control-click or right-click a video marked "HD-SD" and choose Standard Definition or High Definition from the Version menu.

You can redeem iTunes Store gift cards, gift certificates, or other promotional codes to make purchases. When you're signed in to your account, your remaining store credit appears with your account information at the bottom of most iTunes Store screens.

Enter a redemption code: Tap Music, then tap Redeem at the bottom of the screen and follow the onscreen instructions.

Streaming or Downloading Podcasts

You can listen to audio podcasts or watch video podcasts streamed over the Internet from the iTunes Store. You can also download audio and video podcasts to iPhone. Podcasts you download to iPhone are synced to your iTunes library when you connect iPhone to your computer.

Tap Podcasts to browse podcasts in the iTunes Store. To see a list of episodes, tap a podcast. Video podcasts are indicated by the video icon.

Stream a podcast: Tap the podcast title.

Download a podcast: Tap the Free button, then tap Download. Downloaded podcasts appear in the Podcasts list in iPod.

Listen to or watch a podcast you've downloaded: In iPod, tap Podcasts at the bottom of the screen (you may need to tap More first), then tap the podcast. Video podcasts also appear in your list of videos.

Get more episodes of the podcast you've downloaded: In the Podcasts list in iPod, tap the podcast, then tap Get More Episodes.

Delete a podcast: In the Podcasts list in iPod, swipe left or right over the podcast, then tap Delete.

Checking Download Status

You can check the Downloads screen to see the status of in-progress and scheduled downloads, including purchases you've pre-ordered.

See the status of items being downloaded: Tap Downloads.

To pause a download, tap .

If a download is interrupted, iPhone starts the download again the next time it has an Internet connection. Or, if you open iTunes on your computer, iTunes completes the download to your iTunes library (if your computer is connected to the Internet and signed in to the same iTunes account).

See the status of pre-ordered items: Tap Downloads.

Pre-ordered items appear in a list until the date the item is released. Tap the item for release date information. Once the item is available for download, the download icon appears next to the download.

Download a pre-ordered item: Tap the item, then tap .

Pre-ordered items don't download automatically when they're released. Return to the Downloads screen to begin the download.

Syncing Purchased Content

iTunes automatically syncs everything you've downloaded or purchased on iPhone to your iTunes library when you connect iPhone to your computer. This lets you access the downloads on your computer and provides a backup if you delete purchased content from iPhone.

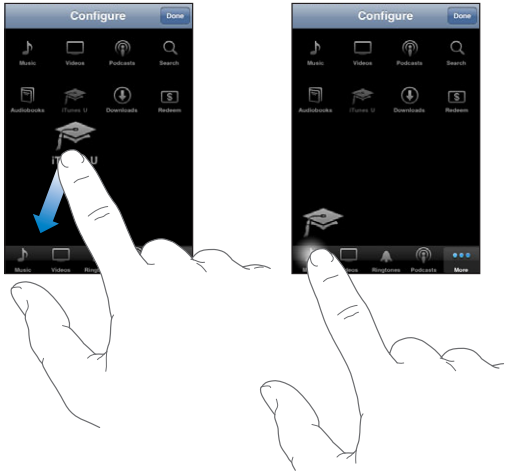
Purchased content is synced to the "Purchased on <name of your iPhone>" playlist. iTunes creates the playlist if it doesn't exist. iTunes also copies your purchases to the Purchased playlist that iTunes uses for purchases you make on your computer, if that playlist exists and is set to sync with iPhone.

Downloaded podcasts are synced to the Podcast list in your iTunes library.

Changing the Browse Buttons

You can replace the Music, Podcasts, Videos, and Search buttons at the bottom of the screen with ones you use more frequently. For example, if you download audiobooks often but don't watch many videos, you could replace the Videos button with Audiobooks.

Change the browse buttons: Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. When you finish, tap Done.

When you're browsing, tap More to access the browse buttons that aren't visible.

Viewing Account Information

To view your iTunes Store account information on iPhone, tap your account (at the bottom of most iTunes Store screens). Or go to Settings > Store and tap View Account. You must be signed in to view your account information. See "Store" on page 179.

Verifying Downloads

You can use iTunes on your computer to verify that all the music, videos, applications, and other items you bought from the iTunes Store or App Store are in your iTunes library. You might want to do this if a download was interrupted.

Verify your purchases:

1. Make sure your computer is connected to the Internet.
2. In iTunes, choose Store > Check for Available Downloads.
3. Enter your iTunes Store account ID and password, then click Check.

Purchases not yet on your computer are downloaded.

The Purchased playlist displays your purchases. However, because you can add or remove items in this list, it might not be accurate. To see all of your purchases, sign in to your account, choose Store > View My Account, and click Purchase History.

App Store

23

About the App Store

You can search for, browse, review, purchase, and download applications from the App Store directly to iPhone. Applications you download and install from the App Store on iPhone are backed up to your iTunes library the next time you sync iPhone with your computer. You can also install applications you've purchased or downloaded through iTunes on your computer when you sync with iPhone.

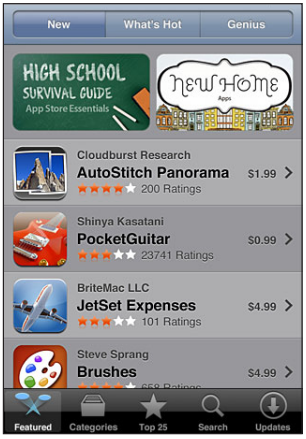
Note: The App Store may not be available in all countries or regions.

To use the App Store, iPhone must be connected to the Internet. See "Connecting to the Internet" on page 22. You also need an iTunes Store account (may not be available in all countries or regions) to download applications. By default, iPhone gets your iTunes Store account settings from iTunes. If you don't have an iTunes Store account, or if you want to make purchases from another iTunes Store account, go to Settings > Store. See "Store" on page 179.

Browsing and Searching

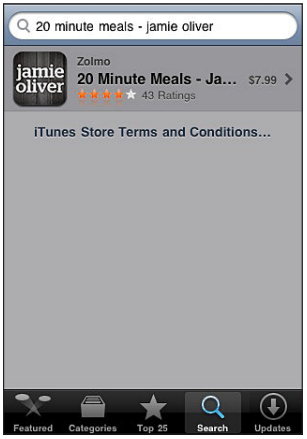
Browse the featured selections to see new, notable, or recommended applications, or browse Top 25 to see the most popular applications. If you're looking for a specific application, use Search.

Browse applications: Tap Featured, Categories, or Top 25. Choose a category, or choose a sort method at the top of the screen to browse by lists such as New, What's Hot, Genius, Top Paid, or Top Free.



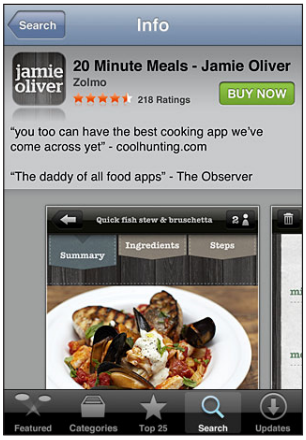
Browse using Genius: Tap Genius to see a list of recommended apps based on what's already in your app collection. To turn Genius on, follow the onscreen instructions. Genius is a free service, but it requires an iTunes Store account.

Search for applications: Tap Search, tap the search field and enter one or more words, then tap Search.

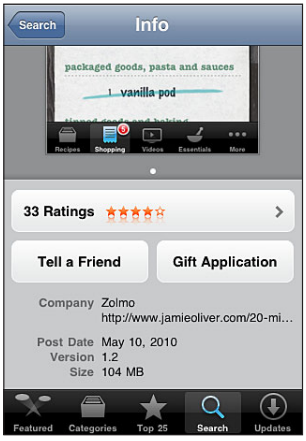


Info Screen

Tap any application in a list to see more information, such as the application's price, screenshots, and ratings.



If you've already installed the application, "Installed" appears instead of the price on the Info screen.



View screenshots: Scroll to near the bottom of the Info page. Flick left or right to view additional screenshot pages. Double-tap to zoom in.

Get ratings and read reviews: Tap Ratings near the bottom of the Info screen.

Email a link to the application's Info page in iTunes: Tap "Tell a Friend" near the bottom of the Info screen.

Report a problem: Tap "Report a Problem" near the bottom of the Info screen. Select a problem from the list or type optional comments, then tap Report.

Send the application to someone as a gift: Tap "Gift Application" near the bottom of the Info screen, then follow the onscreen instructions.

Downloading Applications

When you find an application you want in the App Store, you can purchase and download it to iPhone. If the application is free, you can download it without charge after providing your iTunes account information.

Once you download an application, it's immediately installed on iPhone.

Purchase and download an application:

1. Tap the price (or tap Free), then tap Buy Now.
2. Sign in to your account as requested, then tap OK.

If you don't have an iTunes Store account, tap Create New Account to set one up.

Downloads for purchase are charged to your iTunes Store account. For additional downloads made within the next fifteen minutes, you don't have to enter your password again.

Some applications allow you to make purchases within the application. You can restrict in-app purchases in Settings. See "Restrictions" on page 164.

Some applications use push notifications to alert you of new information, even when the application isn't running. Notifications differ depending upon the application, but may include text or sound alerts, and a numbered badge on the application icon on the Home screen. See "Notifications" on page 158.

You can redeem iTunes Store gift cards, gift certificates, or other promotional codes to make purchases. When you're signed in to your account, your remaining store credit appears with your account information at the bottom of most App Store screens.

Enter a redemption code: Tap Redeem near the bottom of the Featured screen, then follow the onscreen instructions.

See the status of downloading applications: After you begin downloading an application, its icon appears on the Home screen and shows a progress indicator.

If a download is interrupted, iPhone starts the download again the next time it has an Internet connection. Or, if you open iTunes on your computer, iTunes completes the download to your iTunes library (if your computer is connected to the Internet and signed in to the same iTunes account).

Deleting Applications

You can delete applications you've installed from the App Store. If you delete an application, data associated with the application will no longer be available to iPhone, unless you reinstall the application and restore its data from a backup.

You can reinstall an application and restore its data as long as you backed up iPhone with iTunes on your computer. (If you try to delete an application that hasn't been backed up to your computer, an alert appears.) To retrieve the application data, you must restore iPhone from a backup containing the data. See "Restoring from a Backup" on page 230.

Delete an App Store application:

1. Touch and hold any application icon on the Home screen until the icons start to wiggle.
2. Tap ⊗ in the corner of the application you want to delete.
3. Tap Delete, then press the Home ▢ button.

When you delete an application, its data is no longer accessible through the iPhone user interface, but it isn't erased from your iPhone. For information about erasing all content and settings, see "Erase All Content and Settings" on page 168.

You can redownload any application that you've purchased from the App Store, free of charge.

Replace a deleted application:

- *On iPhone:* Purchase the app again (you won't be charged).
- *In iTunes:* Connect iPhone to your computer, select iPhone in the Devices list, click Apps and select the checkbox next to the app, then click Apply.

Writing Reviews

You can write and submit your own application reviews directly on iPhone.

Write a review:

1. Tap Ratings near the bottom of the Info screen.
2. On the Reviews screen, tap "Write a Review."
3. Select the number of stars (1–5) for your rating of the application, and enter your nickname, a title for the review, and optional review comments. If you've written reviews before, the nickname field is already filled in. Otherwise, you're asked to create a reviewer nickname.
4. Tap Send.

You must be signed in to your iTunes Store account and have downloaded the item in order to submit reviews.

Updating Applications

Whenever you access the App Store, it checks for updates to applications you've installed. The App Store also automatically checks for updates every week. The App Store icon shows the total number of application updates available.

If an update is available and you access the App Store, the Updates screen appears immediately. Application updates are downloaded and automatically installed when you choose to update them.

Application upgrades are new releases that can be purchased or downloaded through the App Store on iPhone or the iTunes Store on your computer.

Update an application:

1. At the bottom of the screen, tap Updates.
2. Tap an application to see more information about the update.
3. Tap Update.

Update all applications: At the bottom of the screen, tap Updates, then tap Update All.

If you try to update an application purchased from a different iTunes Store account, you're asked for that account's ID and password in order to download the update.

Syncing Purchased Applications

iTunes syncs applications you've downloaded or purchased on iPhone to your iTunes library when you connect iPhone to your computer. This lets you access the downloads on your computer and provides a backup if you delete applications from iPhone.

Downloaded applications are backed up the next time you sync with iTunes. Afterwards, only application data is backed up when you sync with iTunes.

Applications are synced to the Applications list in your iTunes library. iTunes creates the list if it doesn't exist.

Compass

24

Getting Compass Readings

The built-in compass (iPhone 3GS or later) shows which direction you're facing, along with the geographical coordinates of your current location. You can choose magnetic north, or have Compass adjust the declination to show true north.

Important: The accuracy of the digital compass may be negatively affected by magnetic or other environmental interference, including interference caused by the close proximity of the magnets contained in the iPhone earbuds. The digital compass should only be used for basic navigation assistance and should not be solely relied on to determine precise locations, proximity, distance, or direction.

The compass needs to be calibrated the first time you use it, and may need to be calibrated occasionally after that. iPhone alerts you whenever calibration is needed.

Note: If location services is turned off when you open Compass, you may be asked to turn it on. You can use Compass without turning on location services. See "Location Services" on page 162.

Calibrate iPhone: Wave iPhone in a figure eight. You may be asked to move away from a source of interference.

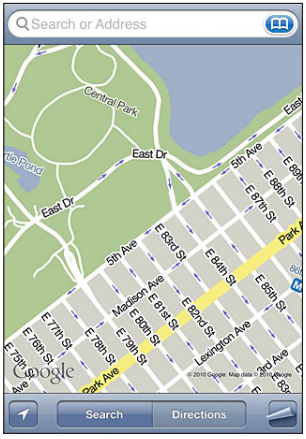
See which way you're facing: Hold iPhone level to the ground. The compass needle rotates to point north. Your current direction appears at the top of the screen. The coordinates of your current location are displayed at the bottom of the screen.

Switch between true north and magnetic north: Tap ⓘ and tap the setting you want.

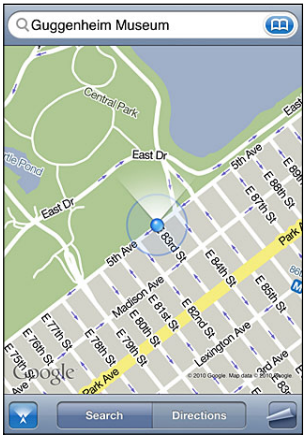
Compass and Maps

The Compass application lets you find your current location in Maps. Maps also uses the built-in compass to show which way you're facing.

See your current location in Maps: Tap ◪ at the bottom of the Compass screen. Maps opens and indicates your current location with a blue marker.



Show which way you're facing: In Maps, tap ◪ twice. The icon changes to ◪. The angle shows the accuracy of the compass reading—the smaller the angle, the greater the accuracy.



See "Finding and Viewing Locations" on page 131.

Contacts

25

About Contacts

Contacts makes it easy to call, email, or text your friends and associates. You can add contacts directly on iPhone, or sync contacts from applications on your computer. If you have a MobileMe or Microsoft Exchange account with Contacts enabled, or a supported CardDAV account, you can sync your contacts over the air without connecting iPhone to your computer.

You can open Contacts directly from the Home screen, or from within the Phone application.

Adding Contacts

You can add contacts to iPhone in the following ways:

- In iTunes, sync contacts from Google or Yahoo!, or sync with applications on your computer (see "iPhone Settings Panes in iTunes" on page 55)
- Set up MobileMe or Microsoft Exchange accounts on iPhone, with Contacts enabled (see "Setting Up MobileMe Accounts" on page 25 or "Setting Up Microsoft Exchange Accounts" on page 26)
- Install a profile that sets up an Exchange account, with Contacts enabled (see www.apple.com/iphone/business)
- Set up an LDAP or CardDAV account on iPhone
- Enter contacts directly on iPhone
- Import contacts from a SIM card

The number of contacts you can add is limited only by the amount of memory on iPhone.

Set up an LDAP or CardDAV account:

1. In Settings, tap "Mail Contacts, Calendars," then tap Add Account.
2. Tap Other, then tap Add LDAP Account or Add CardDAV Account.
3. Enter your account information and tap Next to verify the account.
4. Tap Save.

When you set up an LDAP account, you can view and search for contacts on your company or organization's LDAP server. The server appears as a new group in Contacts. Since LDAP contacts aren't downloaded to iPhone, you must have an Internet connection to view them. Check with your system administrator for specific account settings and other requirements (such as VPN).

When you set up a CardDAV account, your account contacts are synced with iPhone over the air . If supported, you can also search for contacts on your company or organization's CardDAV server.

Import contacts from another phone's SIM card: In Settings, tap "Mail, Contacts, Calendars," then tap Import SIM Contacts.

The contact information on the SIM card is imported to iPhone. If you have Contacts enabled for both MobileMe and Microsoft Exchange, you're asked to choose which account you want to add the SIM contacts to.

Important: iPhone doesn't store contacts on its SIM card.

Searching Contacts

You can search first, last, and company names in your contacts on iPhone. If you have a Microsoft Exchange account set up on iPhone, you may also be able to search your enterprise Global Address List (GAL) for contacts in your organization. If you have an LDAP account set up on iPhone, you can search contacts on your organization's LDAP server. If you have a CardDAV account, you can search contacts synced to iPhone, or searchable contacts on a supported CardDAV server.

You can search the first, last, and company name fields. As you type in the search field, contacts with matching information appear immediately.

Search contacts: In Contacts, tap the search field at the top of any list of contacts and enter your search. (To scroll quickly to the top of the list, tap the status bar.)

Search a GAL: Tap Groups, tap Directories at the bottom of the list, then enter your search.

You can't edit GAL contacts or save them to iPhone.

Search an LDAP server: Tap Groups, tap the LDAP server name, then enter your search.

You can't edit LDAP contacts or save them to iPhone.

Search a CardDAV server: Tap Groups, tap the searchable CardDAV group at the bottom of the list, then enter your search.

You can't edit searchable CardDAV contacts from the server, but you can edit synced CardDAV contacts on iPhone.

Contacts are included in searches from the Home screen. See "Searching" on page 44.

Managing Contacts on iPhone

Add a contact on iPhone: Tap Contacts and tap +.

Delete a contact	In Contacts, choose a contact, than tap Edit. Scroll down and tap Delete Contact.
Add a contact from the numeric keypad	Tap Keypad, enter a number, then tap +. Tap Create New Contact and enter the caller's information, or tap "Add to Existing Contact" and choose a contact.
Edit contact information	In Contacts, choose a contact, then tap Edit. To add an item, tap ⊕. To delete an item, tap ⊖.
Enter a pause in a number	Tap +*#, then tap Pause. One or more pauses may be required by a phone system before dialing an extension, for example. Pauses appear as commas when the number is saved.
Add a recent caller's phone number to your contacts	Tap Recents and tap ⓘ next to the number. Then tap Create New Contact, or tap "Add to Existing Contact" and choose a contact.

Assign a photo to a contact:

1. Tap Contacts and choose a contact.
2. Tap Edit and tap Add Photo, or tap the existing photo.
3. Tap Take Photo to use the camera. Or tap Choose Existing Photo and choose a photo.
4. Drag and scale the photo as desired.
5. Tap Use Photo (new photo) or Choose (existing photo).

Using Contact Information

You can use the information on a contact's Info screen to:

- Call the contact
- Create an email message in Mail, addressed to the contact
- Open the contact's home page in Safari
- Find the location of the contact's address in Maps, and get directions
- Send a text message to the contact
- Share the contact information with others
- Add a phone number for the contact to your favorites list
- Make a FaceTime video call

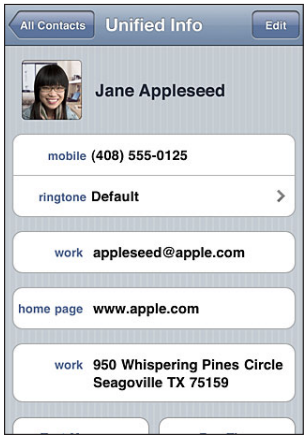
Use a contact's info screen: Tap Contacts and choose a contact. Then tap an item.

A star next to a phone number means the number is in your favorites list.

See your own phone number: Tap Contacts and scroll to the top of the list. (Not available in all countries or regions.)

Unified Contacts

When you sync contacts with multiple accounts, you might have entries for the same person in more than one account. To help keep redundant contacts from appearing in the All Contacts list on iPhone, contacts that have the same first and last names (and not different prefixes, suffixes, or middle names) are linked and displayed as a single "unified contact" in your list. When you view a unified contact, the title Unified Info appears at the top of the screen. Unified contacts only appear in the All Contacts list.



The source accounts of a unified contact appear at the bottom of the screen, under Linked Cards.

View contact information for a source account: Tap one of the source accounts.

Unlink a contact: Tap Edit, tap ⊖, then tap Unlink.

Link a contact: Tap Edit, then tap ⊕ and choose a contact.

If you link a new contact to a unified contact with a different first or last name, the new name is added to the name field after a comma. For example, if you link an additional contact named Elizabeth to a unified contact for Betty, the first name field shows "Betty, Elizabeth."

Linked contacts are not merged. Unless you edit a unified contact, the separate contacts in the source accounts remain separate and unchanged. If you change information in a unified contact, the changes are copied to each source account in which that information already exists. If you add information to a unified contact, that information is added to every source account.

Linked contact information also appears at the bottom of an individual contact's Info screen when it's viewed from a specific account (as opposed to the All Contacts list), which lets you see the Unified Info screen and each of the other linked contacts.

Nike + iPod

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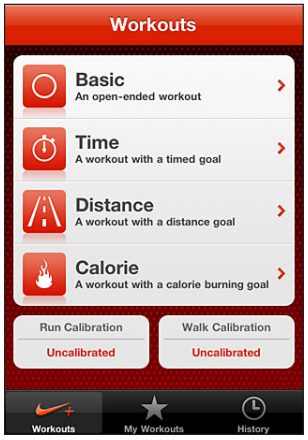
Activating Nike + iPod

When turned on in Settings, the Nike + iPod application appears on the Home screen (iPhone 3GS or later). With a Nike + iPod Sensor (sold separately), the Nike + iPod application provides audible feedback on your speed, distance, time elapsed, and calories burned during a run or walk. You can send your workout information to Nikeplus.com, where you can track your progress, set goals, and participate in challenges.



See the Nike + iPod documentation for information about setting up and using Nike + iPod.

Turn Nike + iPod on or off: In Settings, choose Nike + iPod and turn Nike + iPod on or off. When Nike + iPod is turned on, its application icon appears on the Home screen.

Nike + iPod Settings

In Settings, choose Nike + iPod to activate and adjust settings for the Nike + iPod application.

Choose a PowerSong: Choose PowerSong and select a song from your music library.

Turn spoken feedback on or off: Choose Spoken Feedback and select a male or female voice to accompany your workout, or Off to turn off spoken feedback.

Set a distance preference: Choose Distance, then select Miles or Kilometers to measure your workout distance.

Set your weight: Choose Weight, then flick to enter your weight.

Set the screen orientation: Choose Lock Screen, then select a screen orientation preference.

Set up the Nike + iPod Sensor: Choose Sensor, then follow the onscreen instructions to set up your sensor (sold separately).

You can use a Nike+ compatible remote (sold separately) to control Nike + iPod wirelessly. Before using a remote for the first time, you must set it up on iPhone.

Set up the Nike + iPod remote: Choose Remote, then follow the onscreen instructions to set up your remote (third-party product sold separately).

iBooks

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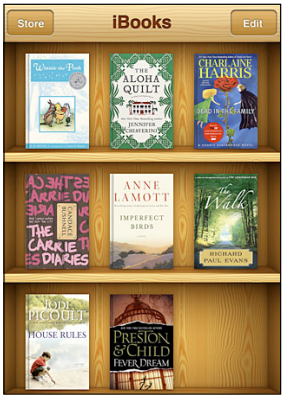
About iBooks

iBooks is a great way to read and buy books. Download the free iBooks application from the App Store, and then get everything from classics to best sellers from the built-in iBookstore. Once you download a book, it's displayed on your bookshelf. Or, add ePub and PDF books to your bookshelf using iTunes. Just tap a book to start reading. iBooks remembers your location, so you can easily return to where you left off, and a wide range of display options makes the book easy to read.

Note: The iBooks application and the iBookstore may not be available in all languages or locations.



Available on the iBookstore. Title availability is subject to change.

To download the iBooks application and use the iBookstore, you need an Internet connection and an iTunes Store account. If you don't have an iTunes Store account, or if you want to make purchases from another iTunes Store account, go to Settings > Store. See "Store" on page 179.

Syncing Books and PDFs

Use iTunes to sync your books and PDFs between iPhone and your computer. When iPhone is connected to your computer, the Books pane lets you select which items to sync.

You can sync books that you download or purchase from the iBookstore. You can also add DRM-free ePub books, and PDF documents that aren't password protected, to your iTunes library. There are several websites that offer ePub books.

Sync an ePub book or PDF file to iPhone: Download the book or PDF file using your computer. Then, in iTunes, choose File > Add to Library. Connect iPhone to your computer, select the book in the Books pane in iTunes, then sync iPhone.

If a PDF file doesn't appear in the Books pane, you need to change its type in iTunes. Search your iTunes library to find the PDF file, select it, then choose File > Get Info. In the Options section of the file information window, choose Book from the Media Kind pop-up menu, then click OK.

Using the iBookstore

In the iBooks application, tap Store to open the iBookstore. From there, you can browse featured books, top-selling books, or the New York Times Best-Seller lists, and browse for books by author or topic. When you find a book you like, you can purchase it and download it to iPhone.

Note: Some features of the iBookstore may not be available in all locations.

Get more information: Tap a book cover to see more information about the book, or tap Get Sample to download a sample portion of the book. You can also read reviews, write reviews for books you purchase, or email a link about the book to a friend.

Purchase a book: Find a book you want, tap the price, then tap Buy Now. Sign in to your iTunes Store account, then tap OK. Some books may be free for downloading.

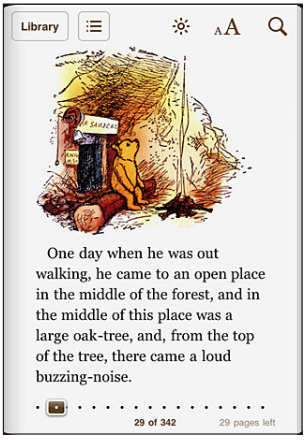
The purchase is charged to your iTunes Store account. If you make additional purchases within the next fifteen minutes, you don't have to enter your password again.

If you've already purchased a book and want to download it again, tap Purchases in the iBookstore and find the book in the list. Then tap Redownload to download the book to iPhone.

Books that you purchase are synced to your iTunes library the next time you sync iPhone with your computer. This provides a backup in case you delete the book from iPhone. To read a deleted book, you must sync it back to iPhone.

Reading Books

Reading a book is easy. Go to your bookshelf and tap Books. Find the book you want to read, then tap to open it.



Turn pages: Tap near the right or left margin of a page, or flick left or right. To change the direction the page turns when you tap the left margin, go to Settings > iBooks.

Go to a specific page: Tap near the center of the current page to show the controls. Drag the page navigation control at the bottom of the screen to the desired page, then let go.

Go to the table of contents: Tap near the center of the current page to show the controls, then tap . Tap an entry to jump to that location, or tap Resume to return to the current page.

You don't need to set a bookmark when you close a book, because iBooks remembers where you left off and returns there when you open the book again. But if there's something you'd like to refer to later, tap the ribbon button to set a bookmark. You can also highlight a portion of the text or add a note.

Set or remove a highlight: Touch and hold any word until it's selected. Use the grab points to adjust the selection, then tap Highlight. To remove a highlight, tap the highlighted text, then tap Remove Highlight.

Change the color of a highlight: Tap the highlighted text, then tap Colors and select a color from the menu.

Add, remove, or edit a note: Touch and hold any word until it's selected. Use the grab points to adjust the selection range, then tap Note. Type some text, then tap the Done button. To view a note, tap the indicator in the margin near the highlighted text. To delete a note, tap the highlighted text, then choose Remove Note from the menu that appears.

See all your bookmarks, highlights and notes: To see the bookmarks, highlights, and notes you've added, tap , then tap Bookmarks. To view a note, tap its indicator. Tap Done to close it.

If bookmark syncing is on, when you close a book, your bookmarks, highlights, notes, and current page information are saved in your iTunes Store account. If you use iBooks and the same iTunes Store account on multiple devices, all of your book details stay in sync.

To read a book while lying down, use the portrait orientation lock to prevent iPhone from rotating the screen when you rotate iPhone. See "Viewing in Portrait or Landscape Orientation" on page 31.

Viewing a PDF

You can use iBooks to view PDF documents. Go to the bookshelf and tap PDFs, then tap a document to open it.

Turn pages: Flick left or right.

Enlarge a page: Pinch to zoom in on the page, then scroll to see the portion you want.

Go to a specific page: Tap near the center of the current page to show the controls, then, in the page navigation controls at the bottom of the page, drag until the desired page appears, or tap a thumbnail to to jump to that page.

Go to the table of contents: Tap near the center of the current page to show the controls, then tap . Tap an entry to jump to that location, or tap Resume to return to the current page. If the author hasn't defined a table of contents, you can tap a page instead.

Bookmarks, notes, and bookmark syncing are not available for PDF documents.

Changing a Book's Appearance

To change the appearance of books, access the controls by tapping near the center of a page.

Change the font or type size: Tap AA, then in the list that appears, tap A or A to reduce or enlarge the type size. To change the font, tap Fonts, then select one from the list. Changing the font and size also changes text formatting.

Change the brightness: Tap , then adjust the brightness. This setting applies only in iBooks.

Change the page and type color: Tap AA, then turn the Sepia option on to change the color of the page and type.

Searching Books

You can search for the title or author of a book to quickly locate it on the bookshelf. You can also search the contents of a book to find all the references to a word or phrase you're interested in. You can also send a search to Wikipedia or Google to find other related resources.

Search for a book: Go to the bookshelf and tap the status bar to scroll to the top of the screen, then tap the magnifying glass. Enter a word that's in the title of a book, or the author's name, then tap Search. Matching books appear on the bookshelf.

Search in a book: Open a book and tap near the center of the page to show the controls. Tap the magnifying glass, then enter a search phrase and tap Search. Tap a search result to go to that page in the book.

To quickly search for a word, touch and hold the word, then tap Search.

To send your search to Google or Wikipedia, tap Search Google or Search Wikipedia. Safari opens and displays the result.

Looking up the Definition of a Word

You can look up the definition of a word using the dictionary.

Look up a word: Select a word in a book, then tap Dictionary in the menu that appears. Dictionaries may not be available for all languages.

Having a Book Read to You

If you have a visual impairment, you can use VoiceOver to read a book aloud. See "VoiceOver" on page 212.

Some books may not be compatible with VoiceOver.

Organizing Your Bookshelf

Use the bookshelf to browse and organize your books and PDFs. Tap Books or PDFs, or swipe left or right, to switch between them.

Sort the bookshelf: Go to the bookshelf and tap the status bar to scroll to the top of the screen, then tap ☰ to select a sort method. If you don't see ☰, scroll past the top of the bookshelf to reveal it.

Rearrange items: Touch and hold a book or PDF document, then drag it to a new location on the bookshelf.

Delete an item from the bookshelf: Tap Edit, then tap ⊗ next to each book or PDF document that you want to delete. When you finish deleting, tap Edit or press Home.

If you've synced iPhone to your computer, deleted items remain in your iTunes library. If you delete a book you purchased, you can also download it again from the Purchases tab in iBookstore.

Bookmark and Note Syncing

iBooks saves your bookmarks, notes, and current page information in your iTunes Store account, so they're always up to date and you can read a book seamlessly across multiple devices.

Turn bookmark syncing on or off: Go to Settings > iBooks, then turn Sync Bookmarks on or off.

You must have an Internet connection to sync your settings. iBooks syncs bookmarks, notes, and current page information for all of your books when you open or quit the application. Individual books are also synced when you open or close them.

Accessibility

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Universal Access Features

In addition to the many features that make iPhone easy to use for everyone, accessibility features (iPhone 3GS or later) are designed to make it easier for users with visual, auditory, or other physical disabilities to use iPhone. These accessibility features include:

- VoiceOver
- Zoom
- Large Text
- White on Black
- Mono Audio
- Speak Auto-text
- Support for braille displays

With the exception of VoiceOver, these accessibility features work with all iPhone applications, including third-party applications you download from the App Store. VoiceOver works with all applications that come preinstalled on iPhone. In addition, third-party developers can use the iPhone Accessibility API to make their applications accessible for VoiceOver users.

For more information about iPhone accessibility features, go to www.apple.com/accessibility.

Each accessibility feature can be turned on or off in Accessibility settings on iPhone. You can also turn accessibility features on or off in iTunes when iPhone is connected to your computer.

Turn accessibility features on or off in iTunes:

1. Connect iPhone to your computer.
2. In iTunes, select iPhone in the sidebar.
3. In the Summary pane, click Configure Universal Access in the Options section.

4 Select the accessibility features that you want to use and click OK.

The Large Text feature can only be turned on or off using iPhone settings. See "Large Text" on page 223.

You can also turn "Show closed captions when available" on or off in iPod settings. See "Videos" on page 96.

VoiceOver

VoiceOver describes aloud what appears onscreen, so that you can use iPhone without seeing it. VoiceOver speaks in the language specified in International settings, which may be influenced by the Region Locale setting.

Note: VoiceOver is available in many languages, but not all.

VoiceOver tells you about each element on the screen as it's selected. When an element is selected, it's enclosed by a black rectangle (for the benefit of those who can see the screen) and VoiceOver speaks the name or describes the item. The enclosing rectangle is referred to as the VoiceOver cursor. If text is selected, VoiceOver reads the text. If a control (such as a button or switch) is selected and Speak Hints is turned on, VoiceOver may tell you the action of the item or provide instructions for you—for example, "double-tap to open."

When you go to a new screen, VoiceOver plays a sound and then selects and speaks the first element of the screen (typically, the item in the upper-left corner). VoiceOver also lets you know when the screen changes to landscape or portrait, and when it is locked or unlocked.

Setting Up VoiceOver

Important: VoiceOver changes the gestures used to control iPhone. Once VoiceOver is turned on, you have to use VoiceOver gestures to operate iPhone—even to turn VoiceOver off again to resume standard operation.

The tasks in this section describe how to change VoiceOver settings when VoiceOver is turned off. To learn how to select items, tap, adjust sliders, and perform other actions when VoiceOver is turned on, see "Using VoiceOver" on page 217.

Turn VoiceOver on or off: In Settings, choose General > Accessibility > VoiceOver and tap the VoiceOver On/Off switch.

You can also set Triple-click Home to turn VoiceOver on or off. See "Triple-click Home" on page 224.

Note: You cannot use VoiceOver and Zoom at the same time.

Turn spoken hints on or off: In Settings, choose General > Accessibility > VoiceOver, and tap the Speak Hints On/Off switch. When Speak Hints is turned on, VoiceOver may tell you the action of the item or provide instructions for you—for example, "double-tap to open." Speak Hints is turned on by default.

Set the VoiceOver speaking rate: In Settings, choose General > Accessibility > VoiceOver, and adjust the Speaking Rate slider.

You can choose what kind of feedback you get when you type. You can set VoiceOver to speak characters, words, both, or nothing. If you choose to hear both characters and words, VoiceOver speaks each character as you type it, then speaks the whole word when you finish it by entering a space or punctuation.

Choose typing feedback: In Settings, choose General > Accessibility > VoiceOver > Typing Feedback, then choose Characters, Words, Characters and Words, or Nothing.

Use phonetics	In Settings, choose General > Accessibility > VoiceOver, then tap the Use Phonetics switch to turn it on. Use phonetics when you're typing or reading character-by-character to help make it clear which characters were spoken. When Use Phonetics is turned on, Voiceover first speaks the character you select or read, then speaks a word beginning with the character. For example, if you select the character "f," VoiceOver speaks "f" and then a moment later "foxtrot."
Use pitch change	In Settings, choose General > Accessibility > VoiceOver, then tap the Use Pitch Change switch to turn it on. VoiceOver uses a higher pitch when entering a letter, and a lower pitch when deleting a letter. VoiceOver also uses a higher pitch when speaking the first item of a group (such as a list or table) and a lower pitch when speaking the last item of a group.

By default, VoiceOver uses the language that's set for iPhone. You can set a different language for VoiceOver.

Set the language for iPhone: In Settings, choose General > International > Language, then select a language and tap OK. Some languages may be influenced by the Region Local setting. In Settings, choose General > International > Region Format and select the format.

Set the language for VoiceOver: In Settings, choose General > International > Voice Control, then choose the language.

If you change the language for iPhone, you may need to reset the language for VoiceOver.

Set the rotor options for web browsing: In Settings, choose General > Accessibility > VoiceOver > Web Rotor. Tap to select or deselect options. To change the position of an item in the list, touch ☰ next to the item, then drag up or down.

Select the languages available in the Language rotor: In Settings, choose General > Accessibility > VoiceOver > Language Rotor and tap to select the language you want to appear in the Language rotor. To change the position of a language in the list, touch ☰ next to the language, then drag up or down.

The Language rotor is always available when you've selected more than one language.

VoiceOver Gestures

When VoiceOver is turned on, the standard touchscreen gestures have different effects. These and some additional gestures let you move around the screen and control individual elements when they're selected. VoiceOver gestures include two- and three-fingers gestures to tap or flick. For best results when using two- and three-finger gestures, relax and let your fingers touch the screen with some space between them.

You can use standard gestures when VoiceOver is turned on, by double-tapping and holding your finger on the screen. A series of tones indicates that normal gestures are in force. They remain in effect until you lift your finger. Then VoiceOver gestures resume.

You can use different techniques to enter VoiceOver gestures. For example, you can enter a two-finger tap using two fingers from one hand, or one finger from each hand. You can also use your thumbs. Many find the "split-tap" gesture especially effective: instead of selecting an item and double-tapping, you can touch and hold an item with one finger, then tap the screen with another finger. Try different techniques to discover which works best for you.

If your gestures don't work, try quicker movements, especially for double-tap and flicking gestures. To flick, try quickly brushing the screen with your finger or fingers. When VoiceOver is turned on, the Practice Gestures setting appears, which gives you a chance to practice VoiceOver gestures before proceeding.

Practice gestures: In Settings, choose General > Accessibility > VoiceOver, then tap Practice VoiceOver Gestures. When you're finished practicing, tap Done.

Here's a summary of key VoiceOver gestures:

Navigate and Read

- *Tap:* Speak item.
- *Flick right or left:* Select the next or previous item.
- *Flick up or down:* Depends on the Rotor Control setting. See "Rotor Control" on page 216.
- *Two-finger tap:* Stop speaking the current item.
- *Two-finger flick up:* Read all from top of screen.
- *Two-finger flick down:* Read all from current position.
- *Two-finger "scrub":* Move two fingers back and forth three times quickly (making a "z") to dismiss an alert or go back to the previous screen.
- *Three-finger flick up or down:* Scroll one page at a time.
- *Three-finger flick right or left:* Go to the next or previous page (such as the Home screen, Stocks, or Safari).
- *Three-finger tap:* Speak the scroll status (which page or rows are visible).
- *Four-finger flick up:* Select the first element on the screen.
- *Four-finger flick down:* Select the last element on the screen.

Activate

- *Double-tap:* Activate selected item.
- *Split-tap:* An alternative to selecting an item and double-tapping is to touch an item with one finger, then tap the screen with another to activate an item.
- *Touch an item with one finger, tap the screen with another finger ("split-tapping"):* Activate item.
- *Double-tap and hold (1 second) + standard gesture:* Use a standard gesture.

  The double-tap and hold gesture tells iPhone to interpret the subsequent gesture as standard. For example, you can double-tap and hold, then without lifting your finger, drag your finger to slide a switch.
- *Two-finger double tap:* Answer or end a call. Play or pause in iPod, YouTube, Voice Memos, or Photos. Take a photo (Camera). Start or pause recording in Camera or Voice Memos. Start or stop the stopwatch.
- *Three-finger double tap:* Mute or unmute VoiceOver.
- *Three-finger triple tap:* Turn the display on or off.

Rotor Control

The rotor control is a virtual dial that you can use to change the results of up and down flick gestures when VoiceOver is turned on.

Operate the rotor: Rotate two fingers on the iPhone screen to "turn" the dial to choose between options.

The current setting appears on the screen and is spoken aloud.

The effect of the rotor depends on what you're doing. For example, if you're reading text in an email you received, you can use the rotor to switch between hearing text spoken word-by-word or character-by-character when you flick up or down. If you're browsing a webpage, you can use the rotor setting to hear all the text (either word-by-word or character-by-character), or to jump from one element to another of a certain type, such as headers or links.

The following lists show the available rotor options, depending on the context of what you're doing.

Reading text

Select and hear text by:

- Character
- Word
- Line

Browsing a webpage

Select and hear text by:

- Character
- Word
- Line
- Heading
- Link
- Form control
- Table
- List
- Landmark
- Visited link
- Non-visited link
- Image
- Static text

Zoom in or out

Entering text
Move insertion point and hear text by:

- Character
- Word
- Line

Edit functions

Select language

Using a control (such as the spinner for setting the time in Clock)
Select and hear values by:

- Character
- Word
- Line

Adjust the value of the control object

You can select which rotor options appear for web browsing, and arrange their order. See "Setting Up VoiceOver" on page 212.

Using VoiceOver

Select items on the screen: Drag your finger over the screen. VoiceOver identifies each element as you touch it. You can move systematically from one element to the next by flicking left or right with a single finger. Elements are selected from left-to-right, top-to-bottom. Flick right to go to the next element, or flick left to go to the previous element.

Use four-finger gestures to select the first or last element on a screen.

- *Select the first element on a screen:* Flick up with four fingers.
- *Select the last element on a screen:* Flick down with four fingers.

"Tap" a selected item when VoiceOver is turned on: Double-tap anywhere on the screen.

Speak the text of an element, character-by-character or word-by-word: With the element selected, flick up or down with one finger. Flick down to read the next character, or flick up to read the previous character. Use phonetics to have VoiceOver also speak a word beginning with the character being spoken. See "Setting Up VoiceOver" on page 212.

Twist the rotor control to have VoiceOver read word-by-word.

Adjust a slider: With a single finger, flick up to increase the setting or down to decrease the setting. VoiceOver announces the setting as you adjust it.

Scroll a list or area of the screen	Flick up or down with three fingers. Flick down to page down through the list or screen, or flick up to page up. When paging through a list, VoiceOver speaks the range of items displayed (for example, "showing rows 5 through 10"). You can also scroll continuously through a list, instead of paging through it. Double-tap and hold. When you hear a series of tones, you can move your finger up or down to scroll the list. Continuous scrolling stops when you lift your finger.
Use a list index	Some lists have an alphabetical index along the right side. The index cannot be selected by flicking between elements; you must touch the index directly to select it. With the index selected, flick up or down to move along the index. You can also double-tap, then slide your finger up or down.
Reorder a list	Some lists, such as Favorites in Phone, and Web Rotor and Language Rotor in Accessibility settings can be reordered. Select ☰ on the right side of an item, double-tap and hold until you hear a sound, then drag up or down. VoiceOver speaks the item you've moved above or below, depending on the direction you're dragging.

Unlock iPhone: Select the Unlock switch, then double-tap the screen.

Rearrange the Home screen: On the Home screen select the icon you want to move. Double-tap and hold, then drag the icon. VoiceOver speaks the row and column position as your drag the icon. Release the icon when it's in the location you want. You can drag additional icons. Drag an item to the left or right edge of the screen to move it to another page of the Home screen. When you're finished, press the Home ▢ button.

Mute VoiceOver	Double-tap with three fingers. Double-tap again with three fingers to turn speaking back on. To turn off only VoiceOver sounds, set the Ring/Silent switch to Silent. If you have an external keyboard connected, you can also press the Control key on the keyboard to mute or unmute VoiceOver.
Stop speaking an item	Tap once with two fingers. Tap again with two fingers to resume speaking. Speaking automatically resumes when you select another item.
Turn off the display while you use VoiceOver	Triple-tap with three fingers. Triple-tap again with three fingers to turn on the display again.

Speak entire screen from the top	Flick up with two fingers.
Speak from current item to bottom of screen	Flick down with two fingers.

You can hear iPhone status information by touching the top of the screen. This can include the time, battery life, Wi-Fi signal strength, and more.

Making Phone Calls with VoiceOver

Double-tap the screen with two fingers to answer or end a call. When a phone call is established with VoiceOver on, the screen displays the numeric keypad by default, instead of showing call options. This makes it easier to use the keypad to respond to a menu of options when you reach an automated system.

Display call options: Select the Hide Keypad button in the lower-right corner and double-tap.

Display the numeric keypad again: Select the Keypad button near the center of the screen and double-tap.

Entering and Editing Text

When you enter an editable text field, you can use the onscreen keyboard or an external keyboard connected to iPhone to enter text.

There are two ways to enter text in VoiceOver—standard typing and "touch" typing. With standard typing, you select a key, then double-tap the screen to enter the character. With touch typing, you touch to select a key and the character is entered automatically when you lift your finger. Touch typing can be quicker, but may require more practice than standard typing.

VoiceOver also lets you use the editing features of iPhone to cut, copy, or paste in a text field.

Enter text:

1. Select a text field to bring up the onscreen keyboard.

   You may need to double-tap to bring up the keyboard, if it doesn't appear automatically. VoiceOver will tell you if the text field "is editing" or if you need to "double-tap to edit."

   If the field already contains text, the insertion point is placed either at the beginning or at the end of the text. Double-tap to move the insertion point to the opposite end. VoiceOver tells you the position of the insertion point.

2. Use the keyboard to type characters:

- *Standard typing:* Select a key on the keyboard by flicking left or right, then double-tap to enter the character. Or move you finger around the keyboard to select a key and, while continuing to touch the key with one finger, tap the screen with another finger to enter the character. VoiceOver speaks the key when it's selected, and again when the character is entered.
- *Touch typing:* Touch a key on the keyboard to select it, then lift your finger to enter the character. If you touch the wrong key, move your finger on the keyboard until you select the key you want. VoiceOver speaks the character for each key as you touch it, but doesn't enter a character until you lift your finger.

  Note: Touch typing works only for the keys that actually enter text. Use standard typing for other keys such as Shift, Delete, and Return.

VoiceOver tells you when it thinks you've misspelled a word.

Choose standard or touch typing: With VoiceOver turned on and a key selected on the keyboard, use the rotor to select Typing Mode, then flick up or down.

Move the insertion point: Use the rotor to choose whether you want to move the insertion point by character, by word, or by line. By default, VoiceOver moves the insertion point character-by-character.

Flick up or down to move the insertion point forward or backward in the text. VoiceOver makes a sound when the insertion point moves, and speaks the character that the insertion point moves across.

When moving the insertion point by word, VoiceOver speaks each word as you move across it. When moving forward, the insertion point is placed at the end of the traversed word, before the space or punctuation that follows it. When moving backward, the insertion point is placed the end of the word *preceding* the traversed word, before the space or punctuation that follows it. To move the insertion point past the punctuation at the end of a word or sentence, use the rotor to switch back to character mode.

When moving the insertion point by line, VoiceOver speaks each line as you move across it. When moving forward, the insertion point is placed at the beginning of the next line (except when you reach the last line of a paragraph, when the insertion point is moved to the end of the line just spoken). When moving backward, the insertion point is placed at the beginning of the line that's spoken.

Delete a character: Select the Delete ⌫ key, then double-tap or split-tap. You must do this even when touch typing. To delete multiple characters, touch and hold the Delete key, then tap the screen with another finger once for each character your want to delete. VoiceOver speaks the character as it's deleted. If you have Use Pitch Change turned on, VoiceOver speaks deleted characters in a lower pitch.

Select text: Set the rotor to Edit, flick up or down to choose Select or Select All, then double tap. If you chose Select, the word closest to the insertion point is selected when you double-tap. If you chose Select All, the entire text is selected.

Pinch apart or together to increase or decrease the selection.

Cut, copy, or paste: Make sure the rotor is set to edit. With text selected, flick up or down to choose Cut, Copy, or Paste, then double-tap.

Undo: Shake iPhone, flick left or right to choose the action to undo, then double-tap.

Enter an accented character: In standard typing mode, select the plain character, then double-tap and hold until you hear a sound indicating alternate characters have appeared. Drag left or right to select and hear the choices. Release your finger to enter the current selection.

Change the language you're typing in: Set the rotor to Language, then flick up or down. Choose "default language" to use the language specified in International settings.

Note: The Language rotor appears only if you've selected more than one language in the VoiceOver Language Rotor setting. See "Setting Up VoiceOver" on page 212.

Using Maps

With VoiceOver, you can zoom in or out, select pins, and get information about locations.

Zoom in or out: Use the rotor to choose zoom mode, then flick up or down to zoom in or out.

Select a pin: Touch a pin, or flick left or right to move from one item to another.

Get information about a location: With a pin selected, double-tap to display the information flag. Flick left or right to select the flag, then double-tap to display the information page.

Editing Videos and Voice Memos

You can use VoiceOver gestures to trim Camera videos and Voice Memo recordings.

Trim a voice memo: On the Voice Memos screen, select the button to the right of the memo you want to trim, then double-tap. Then select Trim Memo and double-tap. Select the beginning or end of the trim tool. Flick up to drag to the right, or flick down to drag to the left. VoiceOver announces the amount of time the current position will trim from the recording. To execute the trim, select Trim Voice Memo and double-tap.

Trim a video: While viewing a video, double-tap the screen to display the video controls. Select the beginning or end of the trim tool. Then flick up to drag to the right, or flick down to drag to the left. VoiceOver announces the amount of time the current position will trim from the recording. To execute the trim, select Trim and double-tap.

Using a Braille Display with VoiceOver

Setting Up a Braille Display

You can use a refreshable Bluetooth braille display to read VoiceOver output in braille. In addition, braille displays with input keys and other controls can be used to control iPhone when VoiceOver is turned on. iPhone works with many of the most popular wireless braille displays. For a list of supported braille displays, see www.apple.com/accessibility.

Set up a braille display:

1. Turn on the braille display.
2. On iPhone, turn on BlueTooth.

   In Settings, choose General > Bluetooth, then tap the Bluetooth switch.
3. In Settings, choose General > Accessibility > VoiceOver > Braille, then choose the braille display.

Turn contracted braille on or off: In Settings, choose General > Accessibility > VoiceOver > Braille, then tap the Contracted Braille switch.

Choosing a Language

The braille display uses the language that's set for VoiceControl. By default, this is the language set for iPhone. You can set a different language for VoiceOver and braille displays.

Set the language for VoiceOver: In Settings, choose General > International > Voice Control, then choose the language.

If you change the language for iPhone, you may need to reset the language for VoiceOver and your braille display.

Controlling VoiceOver with Your Braille Display

You can set the leftmost or rightmost cell of your braille display to provide system status and other information:

- Announcement History contains an unread message
- The current Announcement History message has not been read
- VoiceOver speech is muted
- The iPhone battery is low (less than 20% charge)
- iPhone is in landscape orientation
- The screen display is turned off
- The current line contains additional text to the left
- The current line contains additional text to the right

Set the leftmost or rightmost cell to display status information: In Settings, choose General > Accessibility > VoiceOver > Braille > Status Cell, then tap Left or Right.

See an expanded description of the status cell: On your braille display, press the status cell's router button.

Zoom

Many iPhone applications let you zoom in and out specific elements. For example, you can double-tap or use the pinch gesture to expand webpage columns in Safari. Zoom is a special accessibility feature that lets you magnify the entire screen of any application you're using to help you see what's on the display.

Turn Zoom on or off: In Settings, choose General > Accessibility > Zoom and tap the Zoom On/Off switch.

Note: You cannot use VoiceOver and Zoom at the same time.

Zoom in or out: Double-tap the screen with three fingers. By default, the screen is magnified by 200 percent. If you manually change the magnification (by using the tap-and-drag gesture, described below), iPhone automatically returns to that magnification when you zoom in by double-tapping with three fingers.

Increase magnification: With three fingers, tap and drag toward the top of the screen (to increase magnification) or toward the bottom of the screen (to decrease magnification). The tap-and-drag gesture is similar to a double-tap, except you don't lift your fingers on the second tap—instead, drag your fingers on the screen. Once you start dragging, you can drag with a single finger.

Move around the screen: When zoomed in, drag or flick the screen with three fingers. Once you start dragging, you can drag with a single finger so that you can see more of the screen. Hold a single finger near the edge of the display to pan to that side of the screen image. Move your finger closer to the edge to pan more quickly. When you open a new screen, Zoom always goes to the top-middle of the screen.

Large Text

Large Text lets you make the text larger in alerts, Contacts, Mail, Messages, and Notes. You can choose 20-point, 24-point, 32-point, 40-point, 48-point, or 56-point text.

Set text size: In Settings, choose General > Accessibility, tap Large Text, then tap the text size you want.

White on Black

Use White on Black to invert the colors on the iPhone screen, which may make it easier to read the screen. When White on Black is turned on, the screen looks like a photographic negative.

Invert the screen's colors: In Settings, choose General > Accessibility and tap the "White on Black" switch.

Mono Audio

Mono Audio combines the sound of the left and right channels into a mono signal played on both sides. This enables users with hearing impairment in one ear to hear the entire sound signal with the other ear.

Turn Mono Audio on or off: In Settings, choose General > Accessibility and tap the Mono Audio switch.

Speak Auto-text

Speak Auto-text speaks the text corrections and suggestions iPhone makes when you're typing.

Turn Speak Auto-text on or off: In Settings, choose General > Accessibility and tap the Speak Auto-text switch.

Speak Auto-text also works with VoiceOver or Zoom.

Triple-click Home

Triple-click Home provides an easy way to turn some of the Accessibility features on or off when you press the Home ▢ button quickly three times. You can set Triple-click Home to turn VoiceOver on or off, turn White on Black on or off, or present the options to:

- Turn VoiceOver on or off
- Turn Zoom on or off
- Turn White on Black on or off

Triple-click Home is turned off by default.

Set the Triple-click Home function: In Settings, choose General > Accessibility > Triple-click Home and choose the function you want.

Closed Captioning and Other Helpful Features

Many iPhone features help make iPhone accessible to all users, including those with visual or auditory impairments.

Closed Captioning

You can turn on closed captioning for videos in iPod settings. See "Video" on page 178.

Note: Not all video content is encoded for closed captioning.

Voice Control

Voice Control (iPhone 3GS or later) lets you make phone calls and control iPod music playback by using voice commands. See "Voice Dialing" on page 62, and "Using Voice Control with iPod" on page 92.

Large Phone Keypad

Make phone calls simply by tapping entries in your contacts and favorites lists. When you need to dial a number, iPhone's large numeric keypad makes it easy. See "Phone Calls" on page 61.

Widescreen Keyboards

Several applications let you rotate iPhone when you're typing so that you can use a larger keyboard:

- Mail
- Safari
- Messages
- Notes
- Contacts

Visual Voicemail

The play and pause controls in visual voicemail let you control the playback of messages. Drag the playhead on the scrubber bar to repeat a portion of the message that's hard to understand. See "Checking Voicemail" on page 68.

Assignable Ringtones

You can assign distinctive ringtones to individuals in your contacts list for audible caller ID. You can purchase ringtones from the iTunes Store on iPhone. See "Purchasing Ringtones" on page 182.

Instant Messaging (IM) Chat

The App Store features many Internet Messaging (IM) applications, such as AIM, BeejiveIM, ICQ, and Yahoo! Messenger, that are optimized for iPhone.

Minimum Font Size for Mail Messages

To increase readability, set a minimum font size for Mail message text to Large, Extra Large, or Giant. See "Mail" on page 171.

TTY Support (Available in Some Areas)

Use iPhone in TTY mode with the iPhone TTY Adapter (available separately) to use a Teletype (TTY) machine. See "Using iPhone with a Teletype (TTY) Machine" on page 174.

Universal Access in Mac OS X

Take advantage of the Universal Access features in Mac OS X when you use iTunes to sync information and content from your iTunes library to iPhone. In the Finder, choose Help > Mac Help, then search for "universal access."

For more information about iPhone and Mac OS X accessibility features, go to www.apple.com/accessibility.

Support and Other Information

Apple iPhone Support Site

Comprehensive support information is available online at www.apple.com/support/iphone.

Restarting and Resetting iPhone

If something isn't working right, try restarting iPhone, force quitting an application, or resetting iPhone.

Restart iPhone: Press and hold the On/Off Sleep/Wake button until the red slider appears. Slide your finger across the slider to turn off iPhone. To turn iPhone back on, press and hold the On/Off Sleep/Wake button until the Apple logo appears.

If you can't turn off iPhone or if the problem continues, you may need to reset iPhone. A reset should be done only if turning iPhone off and on doesn't resolve the problem.

Force quit an application: Press and hold the On/Off Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, then press and hold the Home button until the application quits. On iPhone 3GS or later, you can also remove an application from the recents list to force it to quit. See "Opening and Switching Applications" on page 28.

Reset iPhone: Press and hold the On/Off Sleep/Wake button and the Home button at the same time for at least ten seconds, until the Apple logo appears.

Backing Up iPhone

iTunes creates backups of settings, downloaded applications and data, and other information on iPhone. You can use a backup to restore these items to your iPhone after a software restore or to transfer the information to another iPhone. See "Updating and Restoring iPhone Software" on page 229.

Backing up iPhone or restoring from a backup is not the same as syncing content and other items (such as music, podcasts, ringtones, photos, videos, and applications that you download via iTunes) with your iTunes library. Backups include settings, downloaded applications and data, and other information that resides on iPhone. When you restore iPhone, you also need to sync again to get your music, videos, photos, applications, and other content back on iPhone. See "Restoring from a Backup" on page 230.

Applications downloaded from the App Store are backed up the next time you sync with iTunes. Afterwards, only application data is backed up when you sync with iTunes.

Creating a Backup

iTunes creates a backup of iPhone when you:

- Sync with iTunes

  By default, iTunes syncs iPhone each time you connect iPhone to your computer. See "Syncing with iTunes" on page 54. iTunes won't automatically back up an iPhone that isn't configured to sync with that computer. You can also sync manually by clicking Sync in iTunes. Note that iTunes creates a backup only once each time iPhone is connected to your computer, before the first sync that occurs. If you sync again, iTunes doesn't create another backup.

- Update iPhone

  iTunes backs up iPhone before updating iPhone, even if it isn't configured to sync with iTunes on that computer.

- Restore iPhone (if you choose to back up)

  iTunes asks if you want to back up iPhone before restoring it.

For more information about backups, including the settings and information stored in a backup, go to support.apple.com/kb/HT1766.

Removing a Backup

You can remove a backup of iPhone from the list of backups in iTunes. You may want to do this, for example, if a backup was created on someone else's computer.

Remove a backup:

1. In iTunes, open iTunes Preferences.
   - *Windows:* Choose Edit > Preferences.
   - *Mac:* Choose iTunes > Preferences.
2. Click Devices (iPhone does not need to be connected).
3. Select the backup you want to remove, then click Delete Backup.
4. Confirm you wish to remove the selected backup by clicking Delete Backup.
5. Click OK to close the iTunes Preferences Window.

Updating and Restoring iPhone Software

You can use iTunes to update or restore iPhone software.

- *If you update,* the iPhone software is updated. Your downloaded applications, settings, and data aren't affected.

  Note: In some cases, an update may also include restoring iPhone.

- *If you restore,* the latest version of iPhone software is reinstalled, settings are restored to their defaults, and all data stored on iPhone is deleted, including downloaded applications, songs, videos, contacts, photos, calendar information, and any other data. If you've backed up iPhone with iTunes on your computer, you can restore data from the backup at the end of the restore process.

Deleted data is no longer accessible via the iPhone user interface, but isn't erased from your iPhone. For information about erasing all content and settings, see "Resetting iPhone" on page 168.

If you use a Bluetooth headset or car kit with iPhone and you restore settings, you must pair the Bluetooth device with iPhone again to use it.

For more information about updating and restoring iPhone software, go to support.apple.com/kb/HT1414.

Updating iPhone

Make sure you have an Internet connection and have installed the latest version of iTunes from www.apple.com/itunes.

Update iPhone:

1. Connect iPhone to your computer.
2. Select iPhone in the iTunes sidebar and click the Summary tab.
3. Click "Check for Update." iTunes tells you if there's a newer version of the iPhone software available.
4. Click Update to install the latest version of the software.

Restoring iPhone

Make sure you have an Internet connection and have installed the latest version of iTunes from www.apple.com/itunes.

Restore iPhone:

1. Connect iPhone to your computer.
2. Select iPhone in the iTunes sidebar and click the Summary tab.
3. Click "Check for Update." iTunes tells you if there's a newer version of the iPhone software available.

4 Click Restore. Follow the onscreen instructions to complete the restore process. When restoring, it is recommended that you back up iPhone when prompted.

When the iPhone software has been restored, you can either set it up as a new iPhone, or restore your music, videos, application data, and other content from a backup.

After restoring from a backup, previous data is no longer accessible through the iPhone user interface, but it isn't erased from your iPhone. For information about erasing all content and settings, see "Resetting iPhone" on page 168.

Restoring from a Backup

You can restore the settings, application data, and other information from a backup, or use this feature to transfer these items to another iPhone. Make sure you have an Internet connection and have installed the latest version of iTunes from www.apple.com/itunes.

Important: Restoring from a backup is not the same as restoring iPhone from the Summary pane in iTunes. See "Restoring iPhone" on page 229. Restoring from a backup does not fully restore your iPhone software. Also, restoring iPhone from a backup restores all data in the backup, including data for applications. If you choose an old backup, restoring from it could replace the application data with data that is not current.

If you restore iPhone from a backup of some other iPhone or iPod touch, some passwords and settings may not be restored. (Additional, but still not all, passwords and settings may be restored if the backup is encrypted.) For more information about the settings and information stored in a backup, go to support.apple.com/kb/HT1766.

Restore iPhone from a backup:

1 Connect iPhone to the computer you normally sync with.

2 In iTunes, Control-click iPhone in the sidebar and choose "Restore from Backup" from the menu that appears.

3 Choose the backup that you want to restore from the pop-up menu, then click Restore.

If your backup is encrypted, you'll need to enter your password.

Safety, Software, and Service Information

This table describes where to get more iPhone-related safety, software, and service information.

To learn about	Do this
Using iPhone safely	See the *Important Product Information Guide* at www.apple.com/support/manuals/iphone for the latest safety and regulatory information.
iPhone service and support, tips, forums, and Apple software downloads	Go to www.apple.com/support/iphone.
Service and support from your carrier	Contact your carrier or go to your carrier's website.
The latest information about iPhone	Go to www.apple.com/iphone.
Using iTunes	Open iTunes and choose Help > iTunes Help. For an online iTunes tutorial (may not be available in all countries and regions), go to www.apple.com/support/itunes.
MobileMe	Go to www.me.com.
Using iPhoto on Mac OS X	Open iPhoto and choose Help > iPhoto Help.
Using Address Book on Mac OS X	Open Address Book and choose Help > Address Book Help.
Using iCal on Mac OS X	Open iCal and choose Help > iCal Help.
Microsoft Outlook, Windows Address Book, Adobe Photoshop Album, and Adobe Photoshop Elements	See the documentation that came with those applications.
Finding your iPhone serial number or International Mobile Equipment Identity (IMEI) number	You can find your iPhone serial and IMEI numbers on the iPhone packaging. Or, on iPhone, choose Settings > General > About from the Home screen. In iTunes on your computer, hold down the Control key and choose Help > About iTunes (Windows) or iTunes > About iTunes (Mac), then release the Control key. (Press the Space bar to pause the scrolling.)
Obtaining warranty service	First follow the advice in this guide and online resources. Then go to www.apple.com/support or see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.
Battery replacement service	Go to www.apple.com/support/iphone/service/battery.

Using iPhone in an Enterprise Environment

Go to www.apple.com/iphone/business to learn more about enterprise features of iPhone, including:

- Microsoft Exchange
- Installing configuration profiles
- CalDAV
- CardDAV
- IMAP
- LDAP
- VPN

Using iPhone with Other Carriers

Some carriers let you unlock iPhone for use with their network. To determine if your carrier offers this option, go to support.apple.com/kb/HT1937.

Contact your carrier for authorization and setup information. You'll need to connect iPhone to iTunes to complete the process. Additional fees may apply.

For troubleshooting information, go to support.apple.com/kb/TS3198.

Disposal and Recycling Information

Apple Used Mobile Phone Recycling Program (available in some areas): For free recycling of your old mobile phone, a prepaid shipping label, and instructions, see: www.apple.com/recycling

iPhone Disposal and Recycling: You must dispose of iPhone properly according to local laws and regulations. Because iPhone contains electronic components and a battery, iPhone must be disposed of separately from household waste. When iPhone reaches its end of life, contact local authorities to learn about disposal and recycling options, or simply drop it off at your local Apple retail store or return it to Apple. The battery will be removed and recycled in an environmentally friendly manner. For more information, see: www.apple.com/recycling

European Union—Electronics and Battery Disposal Information: This symbol means that according to local laws and regulations your product and its battery should be recycled separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities for the recycling of electronic equipment. The improper disposal of waste electronic equipment from the consumer may be subject to fines. The separate collection and recycling of your product and its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

For collection and recycling services for iPhone, go to: www.apple.com/recycling/nationalservices/europe.html

Battery Replacement for iPhone: The rechargeable battery in iPhone should be replaced only by an authorized service provider. For battery replacement services go to: www.apple.com/support/iphone/service/battery

Deutschland: Dieses Gerät enthält Batterien. Bitte nicht in den Hausmüll werfen. Entsorgen Sie dieses Gerätes am Ende seines Lebenszyklus entsprechend der maßgeblichen gesetzlichen Regelungen.

Nederlands: Gebruikte batterijen kunnen worden ingeleverd bij de chemokar of in een speciale batterijcontainer voor klein chemisch afval (kca) worden gedeponeerd.

Türkiye: EEE Yönetmeliğine (Elektrikli ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlandırılmasına Dair Yönetmelik) uygundur.

Brasil—Informações sobre descarte e reciclagem: O símbolo indica que este produto e/ou sua bateria não devem ser descartadas no lixo doméstico. Quando decidir descartar este produto e/ou sua bateria, faça-o de acordo com as leis e diretrizes ambientais locais. Para informações sobre o programa de reciclagem da Apple, pontos de coleta e telefone de informações, visite www.apple.com/br/environment.

Apple and the Environment

At Apple, we recognize our responsibility to minimize the environmental impacts of our operations and products. For more information, go to: www.apple.com/environment

iPhone Operating Temperature

If the interior temperature of iPhone exceeds normal operating temperatures, you may experience the following as it attempts to regulate its temperature:

- iPhone stops charging
- the screen dims
- the cellular signal is weak
- a temperature warning screen appears

Important: You cannot use iPhone while the temperature warning screen is displayed, except to make an emergency call. If iPhone can't regulate its internal temperature, it goes into a deep sleep mode until it cools. You cannot make an emergency call when iPhone is in this mode. Move iPhone to a cooler location and wait a few minutes before trying to use iPhone again.

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